OM nucleic - nucleic search, using sw model

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                    GenCore version 5.1.6
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Run on:         July 20, 2004, 17:25:48 ; Search time 335 Seconds
                                           (without alignments)
                                           6684.445 Million cell updates/sec

Title:          US-09-975-607A-2
Perfect score:  459
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Scoring table:  IDENTITY_NUC
                Gapop 10.0 , Gapext 1.0

Searched:       3191023 seqs, 243931275b residues
Total number of hits satisfying chosen parameters:      6382046

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :  Published Applications NA:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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2	459	100.0	459	13	US-09-794-919C-2	Sequence 2, Appli
3	436	95.0	486	9	US-09-975-607A-1	Sequence 1, Appli
4	436	95.0	486	13	US-09-794-919C-1	Sequence 1, Appli
5	348	75.8	486	13	US-09-794-919C-1	Sequence 9, Appli
6	348	75.8	3163	13	US-10-116-802-291	Sequence 291, App
7	348	75.8	3163	15	US-10-084-817-252	Sequence 252, App
8	348	75.8	3198	13	US-10-058-270A-79	Sequence 79, Appl
9	348	75.8	3198	15	US-10-177-293-58	Sequence 58, Appl
10	348	75.8	3226	9	US-09-954-456-725	Sequence 725, App
11	348	75.8	3226	13	US-10-240-425-1543	Sequence 1543, Ap
12	348	75.8	3285	16	US-10-295-027-109	Sequence 109, App
13	340.4	74.2	636	15	US-10-198-846-8437	Sequence 8437, Ap
14	336	73.2	3368	15	US-10-198-846-10814	Sequence 10814, A
15	281	61.2	465	13	US-10-085-783A-38423	Sequence 38423, A
16	281	61.2	465	16	US-10-242-535A-38423	Sequence 38423, A
17	157.8	34.4	446	15	US-10-198-846-1371	Sequence 1371, Ap
18	138.6	30.2	2112	15	US-10-219-449-3	Sequence 3, Appli
19	138.6	30.2	2154	15	US-10-219-449-1	Sequence 1, Appli
20	138.6	30.2	2302	16	US-10-138-588-39	Sequence 39, Appl
21	138.6	30.2	2485	13	US-10-411-120-18	Sequence 18, Appl
22	138.6	30.2	4908	14	US-10-001-887-33	Sequence 33, Appl
23	137	29.8	1950	16	US-10-138-588-41	Sequence 41, Appl
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26	133	29.0	2235	15	US-10-236-055A-29	Sequence 29, Appl
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28	133	29.0	2487	16	US-10-117-722-160	Sequence 160, App
29	133	29.0	3690	14	US-10-044-090-448	Sequence 448, App
30	133	29.0	3690	15	US-10-084-817-52	Sequence 52, Appl
31	133	29.0	3764	13	US-10-411-120-17	Sequence 17, Appl
32	133	29.0	5572	15	US-10-301-822-38	Sequence 38, Appl
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34	128.2	27.9	2235	15	US-10-171-311-39	Sequence 39, Appl
35	128.2	27.9	2235	15	US-10-101-510-196	Sequence 196, App
36	128.2	27.9	2235	15	US-10-101-822-36	Sequence 36, Appl
37 c	127.4	27.8	475	15	US-10-198-846-1086	Sequence 1086, Ap
38	121.2	26.4	2232	15	US-10-236-055A-31	Sequence 31, Appl
39	90.8	19.8	855	17	US-10-621-787-10	Sequence 10, Appl
40	88.2	19.2	1408	9	US-09-925-301-28	Sequence 28, Appl
41	84.8	18.5	835	15	US-10-198-846-1723	Sequence 1723, Ap
42	83.6	18.2	999	13	US-10-423-582-3	Sequence 3, Appli
43	83	18.1	909	15	US-10-234-000-11	Sequence 11, Appl
44	81.6	17.8	422	13	US-10-085-783A-30659	Sequence 30659, A
45	81.6	17.8	422	16	US-10-242-535A-30659	Sequence 30659, A

ALIGNMENTS

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RESULT 1
US-09-975-607A-2
; Sequence 2, Application US/09975607A
; Patent No. US2002011560A1
; GENERAL INFORMATION:
;   APPLICANT: Cheah, Kathryn
;   APPLICANT: Cheung, Kenneth
;   TITLE OF INVENTION: USE OF TRANSGENIC MOUSE CONTAINING A TYPE X COLLAGEN MUTANT
;   FILE REFERENCE: 0467/57114-B
;   CURRENT APPLICATION NUMBER: US/09/975,607A
;   CURRENT FILING DATE: 2001-10-11
;   NUMBER OF SEQ ID NOS: 5
;   SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
;   LENGTH: 459
;   TYPE: DNA
;   ORGANISM: Mouse
US-09-975-607A-2

Query Match             100.0%;  Score 459;  DB 9;  Length 459;
Best Local Similarity   100.0%;  Pred. No. 1.9e-153;
Matches  459;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Qy        121 AAAGCTTACCCAGCAGTAGGTGCCCCCATCCCATTTGATGAGATTCGTACAATAGGCAG 180
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RESULT 2
US-09-794-919C-2
; Sequence 2, Application US/09794919C
; Publication No. US20010011073A1
; GENERAL INFORMATION:
; APPLICANT: Cheah, Kathryn
; APPLICANT: Cheung, Kenneth
; TITLE OF INVENTION: USE OF TRANSGENIC MOUSE CONTAINING A TYPE X COLLAGEN MUTANT
; FILE REFERENCE: 0467/57114-Z
; CURRENT APPLICATION NUMBER: US/09/794,919C
; CURRENT FILING DATE: 2001-02-27
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 459
; TYPE: DNA
; ORGANISM: Mouse
US-09-794-919C-2

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Qy   61 GTCAGTGCTAACCACGGGGTAACAGGTATGCCCGTGTCTGCTTTTACTGTCATTCTCTCT 120
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Qy  121 AAAGCTTACCCAGCAGTAGGTGCCCCCATCCCATTGATGATGAGATTCTGTACAATAGGCAG 180
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RESULT 3
US-09-975-607A-1
; Sequence 1, Application US/09975607A
; Patent No. US20020115608A1
; GENERAL INFORMATION:
; APPLICANT: Cheah, Kathryn
; APPLICANT: Cheung, Kenneth
; TITLE OF INVENTION: USE OF TRANSGENIC MOUSE CONTAINING A TYPE X COLLAGEN MUTANT
; FILE REFERENCE: 0467/57114-B
; CURRENT APPLICATION NUMBER: US/09/975,607A
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 486
; TYPE: DNA
; ORGANISM: Mouse
US-09-975-607A-1

  Query Match         95.0%;    Score 436;   DB 9;  Length 486;
  Best Local Similarity   97.2%;    Pred. No. 3.5e-145;
  Matches    459;  Conservative    0;  Mismatches    0;  Indels   13;  Gaps    1;

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Qy  121 AAAGCTTACCCAGCAGTAGGTGCCCCCATCCCATTGATGAGATTCTGTACAATAGGCAG 180
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; Sequence 1, Application US/09794919C
; Publication No. US20010011073A1
; GENERAL INFORMATION:
; APPLICANT: Cheah, Kathryn
; APPLICANT: Cheung, Kenneth
; TITLE OF INVENTION: USE OF TRANSGENIC MOUSE CONTAINING A TYPE X COLLAGEN MUTANT
; FILE REFERENCE: 0467/57114-Z
; CURRENT APPLICATION NUMBER: US/09/794,919C
; CURRENT FILING DATE: 2001-02-27
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 486
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; TYPE: DNA
; ORGANISM: Mouse
US-09-794-919C-1

Query Match   95.0%;   Score 436;   DB 13;   Length 486;
Best Local Similarity   97.2%;   Pred. No. 3.5e-145;
Matches   459;   Conservative   0;   Mismatches   0;   Indels   13;   Gaps   1;

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Qy  121 AAAGCTTACCCAGCAGTAGGTGCCCCCATCCCATTTGATGAGATTCGTACAATAGGCAG 180
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Qy  181 CAGCATTACGACCCAAGATCTTTACCTGTAAGATCCCAGGCATATACTATTTC 240
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Query Match   75.8%;   Score 348;   DB 13;   Length 3163;
Best Local Similarity   85.6%;   Pred. No. 3e-113;
Matches   404;   Conservative   0;   Mismatches   55;   Indels   13;   Gaps   1;

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Qy   61 GTCAGTGCTAACCACGGGTAACAGTATGCCCGTGTCTGCTTTTACTGTCATTCTCTCT 120
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Qy  121 AAAGCTTACCCAGCAGTAGGTGCCCCCATCCCATTTGATGAGATTCGTACAATAGGCAG 180
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Qy    181  CAGCATTACGACCCAAGAGATCTGGTATCTTTACCTGTAAGATCCCAGCATATACTATTTC 240
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Db   2019  GCCATCATCGATCTCACAGAAAATGACCAGGTGTCCACTCCTCTTTCTCAGGATTCCTAG 2078

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RESULT 7
US-10-084-817-252
; Sequence 252, Application US/10084817
; Publication No. US20030119009A1
; GENERAL INFORMATION:
; APPLICANT: Susan Stuart
; APPLICANT: Jed G. Nuchtern
; APPLICANT: Sharon E. Plon
; APPLICANT: Jason M. Shohet
; TITLE OF INVENTION: GENES REGULATED BY MYCN ACTIVATION
; FILE REFERENCE: PA-0046 US
; CURRENT APPLICATION NUMBER: US/10/084,817
; CURRENT FILING DATE: 2002-02-25
; PRIOR APPLICATION NUMBER: 60/270,784
; PRIOR FILING DATE: 2001-02-23
; NUMBER OF SEQ ID NOS: 365
; SOFTWARE: PERL Program
; SEQ ID NO 252
; LENGTH: 3163
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20030119009A1 982520.1
; NAME/KEY: unsure
; LOCATION: 806
; OTHER INFORMATION: a, t, c, g, or other
US-10-084-817-252

Query Match           75.8%;   Score 348;   DB 15;   Length 3163;
Best Local Similarity 85.6%;   Pred. No. 3e-113;
Matches 404;   Conservative 0;   Mismatches 55;   Indels 13;   Gaps 1;

Qy     1  GTCATGCCTGATGGCTTCATAAAGGCAGGCCAGAGGCCTTCTGGGATGCCGCTT 60
          ||||||||||||||||| ||||||||||||||||||||||||| |||||||||||
Db  1659  GTCATGCCTGAGGGTTTTATAAAGGCAGGCCAAAGGCCCCAGTCTTTCTGGGACCCCTCTT 1718

Qy    61  GTCAGTGCTAACCACGGGGTAACAGGTATGCCCGTGTCTGCTTTTACTGTCATTCTCTCT 120
          |||||||||||||||||||||||||||||| ||  | |||||||||||||||||||||||
Db  1719  GTTAGTGCCAACCAGGGGGTAACAGGGTAACAGGCCTGTCGTCGTTTATTCTGTTATTCTCTCC 1778

Qy   121  AAAGCTTACCCAGCAGCAGTAGGTGCCCCCATCCCATTTGATGAGATTCGTACAATAGGCAG 180
          ||||||||||||||||||||||||||||| ||||||||| ||||| |||||||||||||||
Db  1779  AAAGCTTACCCAGCAGCAATAGGAACTCCCATACCATTTGATAAAATTTTGTATAACAGGCAA 1838

Qy   181  CAGCATTACGACCCAAGAGATCTGGTATCTTTACCTGTAAGATCCCAGCATATACTATTTC 240
          ||||||||||||||||||||| ||| ||||||| ||
Db  1839  CAGCATTATGACCCAAGGACTGGAATCTTTACTTGTCAGATACCAGGAATATACTATTTT 1898

Qy   241  TCCTACCAGTGCATGTGAAAGGACTCACGTTTGGGTAGGCCTGTATAAGAACGGC--- 297
```

RESULT 8
US-10-058-270A-79
; Sequence 79, Application US/10058270A
; Publication No. US20040029114A1
; GENERAL INFORMATION:
; APPLICANT: Mack, David H.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Afar, Daniel
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Breast Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Breast Cancer
; FILE REFERENCE: 018501-005210US
; CURRENT APPLICATION NUMBER: US/10/058,270A
; CURRENT FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: US 60/263,965
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: US 60/265,928
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: US 09/829,472
; PRIOR FILING DATE: 2001-04-09
; PRIOR APPLICATION NUMBER: US 60/282,698
; PRIOR FILING DATE: 2001-04-09
; PRIOR APPLICATION NUMBER: US 60/288,590
; PRIOR FILING DATE: 2001-05-04
; PRIOR APPLICATION NUMBER: US 60/294,443
; PRIOR FILING DATE: 2001-05-29
; NUMBER OF SEQ ID NOS: 141
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 79
; LENGTH: 3198
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-058-270A-79

Query Match   75.8%;   Score 348;   DB 13;   Length 3198;
Best Local Similarity 85.6%;   Pred. No. 3e-113;
Matches 404;   Conservative 0;   Mismatches 55;   Indels 13;   Gaps 1;

```
Qy     1  GTCATGCCTGATGGCTTCATAAAGGCAGGCCAGAGGCCTTCTGGGATGCCGCTT 60
          ||||||||||||||||| ||||||||||||||||||||||||| |||||||||||
Db  1558  GTCATGCCTGAGGGTTTTATAAAGGCAGGCCAAAGGCCCCAGTCTTTCTGGGACCCCTCTT 1617

Qy    61  GTCAGTGCTAACCACGGGGTAACAGGTATGCCCGTGTCTGCTTTTACTGTCATTCTCTCT 120
          |||||||||||||||||||||||||||||| ||  | |||||||||||||||||||||||
Db  1618  GTTAGTGCCAACCAGGGGGTAACAGGGTAACAGGCCTGTCGTCGTTTATTCTGTTATTCTCTCC 1677

Qy   121  AAAGCTTACCCAGCAGCAGTAGGTGCCCCCATCCCATTTGATGAGATTCGTACAATAGGCAG 180
          ||||||||||||||||||||||||||||| ||||||||| ||||| |||||||||||||||
Db  1678  AAAGCTTACCCAGCAGCAATAGGAACTCCCATACCATTTGATAAAATTTTGTATAACAGGCAA 1737

Qy   181  CAGCATTACGACCCAAGAGATCTGGTATCTTTACCTGTAAGATCCCAGCATATACTATTTC 240
          ||||||||||||||||||||| ||| ||||||| ||
Db  1738  CAGCATTATGACCCAAGGACTGGAATCTTTACTTGTCAGATACCAGGAATATACTATTTT 1797

Qy   241  TCCTACCAGTGCATGTGAAAGGACTCACGTTTGGGTAGGCCTGTATAAGAACGGC--- 297
          ||||||||||||||||||||||||||| ||||||||||||| ||||||||||
Db  1798  TCATACCAGTGCATGTGAAAGGACTCATGTTTGGGTAGGCCTGTATAAGAATGGCACC 1857
```

```
Qy    298 --------ACAGTATGATGAGTACAGCAAAGGCTACCTGGATCAGGCTTCAGGGAGT  347
                  |||||||||||||||||||||||||||||||||||||||||||
Db   1858 CCTGTAATGTACACCTATGAATACACCCAAAGGCTACCTGGATCAGGCTTCAGGGAGT 1917

Qy    348 GCAATCATGGAGCTCACAGAAAATGACCAGGTATGGCTCCAATGCCCAATGCAGAATCA  407
              || |||||||| ||||||||||||||||||||| |||||||| || ||||| || ||
Db   1918 GCCATCATGGATCTCACAGAAAATGACCAGGTGTGGCTCCAGCTTCCCAATGCCGAGTCA 1977

Qy    408 AACGGCCTCTACTCCTCTGAGTACGTCCACTCGTCCTTCCTCCAGGATTCCTAG 459
              || ||||| |||||||||||||| ||||||||| || ||||||||||||||
Db   1978 AATGGCCTATACTCCTCTGAGTATGTCCACTCCTCTTTCTCCAGGATTCCTAG 2029
```

RESULT 9
US-10-177-293-58
; Sequence 58, Application US/10177293
; Publication No. US2003012412BA1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Gannavarpu, Manjula
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Mertens, Maureen
; APPLICANT: Myer, Vic
; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongyao
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Bast Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Pusztai, Lajos
; APPLICANT: Meric, Funda
; APPLICANT: Sahin, Aysegul
; APPLICANT: Mills, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
; TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-038
; CURRENT APPLICATION NUMBER: US/10/177,293
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: US 60/306,501
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 506
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 58
; LENGTH: 3198
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-177-293-58

Query Match   75.8%; Score 348; DB 15; Length 3198;
Best Local Similarity 85.6%; Pred. No. 3e-113;
Matches 404; Conservative 0; Mismatches 55; Indels 13; Gaps 1;

```
Qy      1 GTCATGCCTGATGGCTTCATAAAGGCAGAGGCCAGGCTTTCTGGGATGCCGCTT 60
            ||||||||||| || || ||||||||||||||||| ||  ||||||| |  ||
Db   1558 GTCATGCCTGAGGGTTTATAAAGGCAGAGGCCAAAGGCAGGCCCAGTCTTTCTGGGACCCCTCTT 1617

Qy     61 GTCAGTGCTAACCACGGGTAACAGTATGCCCGTGTCTGCGTCCATTCTTCTCT 120
            || |||||| ||||| ||||||||  ||||| ||||||||||||||||||| 
Db   1618 GTTAGTGCCAACCAGGGGTAACAGGAATGCCTGTGTCTGCGTCCATTCTTCTCC 1677
```

```
Qy    121 AAAGCTTACCCAGCAGTAGGTGCCCCATCCCATTTGATGAGATTCTGTACAATAGGCAG 180
            |||||||||||||||  || |||||| | ||||||||||   |  ||||| || |||||
Db   1678 AAAGCTTACCCAGCAATAGAAGTCCCATACCATTTGATAAAATTTTGTATAACAGGCAA 1737

Qy    181 CAGCATTACGACCCAAGATCTTGGTATCTTACCTGTAAGATCCCAGGCATATACTATTTC 240
            |||||||| || |||||||  |||||||||||| |  ||||||||||||||| |||| ||
Db   1738 CAGCATTATGACCCAAGGACTGGAATCTTTACTGTGTCAGATACCAGGAAATATACTATTTT 1797

Qy    241 TCCTACCACGTGCATGTGAAAGGACTCACGTTTGGGTAGGCCTGTATAAGAACGGC--- 297
            |||| ||||| |||||  |||||  ||| |||||||||||||||| |||||| ||||
Db   1798 TCATACCACGTGCATGTGAAAGGGACTCATGTTTGGGTAGGCCTGTATAAGAATGGCACC 1857

Qy    298 --------ACAGTATGATGAGTACAGCAAAGGCTACCTGGATCAGGCTTCAGGGAGT 347
                    |||||||||||||||||||||||||||||||||||||||||||
Db   1858 CCTGTAATGTACACCTATGAATACACCCAAAGGCTACCTGGATCAGGCTTCAGGGAGT 1917

Qy    348 GCAATCATGGAGCTCACAGAAAATGACCAGGTATGGCTCCAATGCCCAATGCAGAATCA 407
            ||  ||||||| |||||||||||||||||||| |||||||  || ||||| || || 
Db   1918 GCCATCATGGATCTCACAGAAAATGACCAGGTGTGGCTCCAGCTTCCCAATGCCGAGTCA 1977

Qy    408 AACGGCCTCTACTCCTCTGAGTACGTCCACTCGTCCTTCCTCCAGGATTCCTAG 459
            || ||||| |||||||||||||| ||||||| | || ||||||||||||||
Db   1978 AATGGCCTATACTCCTCTGAGTATGTCCACTCCTCTTTCTCCAGGATTCCTAG 2029
```

RESULT 10
US-09-954-456-725
; Sequence 725, Application US/09954456
; Patent No. US2002011557A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Cance
; TITLE OF INVENTION: Sets
; FILE REFERENCE: 689290-76
; CURRENT APPLICATION NUMBER: US/09/954,456
; CURRENT FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/60/233,617
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,052
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,923
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,134
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,637
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,638
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,711
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,720
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,840
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,863
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 725
; LENGTH: 3226
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-456-725

Query Match   75.8%; Score 348; DB 9; Length 3226;
Best Local Similarity 85.6%; Pred. No. 3e-113;
Matches 404; Conservative 0; Mismatches 55; Indels 13; Gaps 1;

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Qy      1 GTCATGCCTGATGGCTTCATAAAGGCAGAGGCCAGGCTTTCTGGGATGCCGCTT 60
            ||||||||||| ||  || ||||||||||||||||| ||  ||||||| |  ||
Db   1573 GTCATGCCTGAGGGTTTTATAAAGGCAGAGGCCAAAGGCCCAGTCTTTCTGGGACCCCTCTT 1632
```

RESULT 11
US-10-240-425-1543
; Sequence 1543, Application US/10240425
; Publication No. US20040033502A1
;GENERAL INFORMATION:
; APPLICANT: Williams, Amanda
; APPLICANT: Boland, Joseph F.
; APPLICANT: Lord, Reginald V.
; APPLICANT: Alvarez, Chris
; APPLICANT: Wetzel, Jon C.
; APPLICANT: Scherf, Uwe
; APPLICANT: Vockley, Joseph G.
; TITLE OF INVENTION: Gene Expression Profiles in Esophageal Tissue
; FILE REFERENCE: 44921-5026
; CURRENT APPLICATION NUMBER: US/10/240,425
; CURRENT FILING DATE: 2002-09-30
; PRIOR APPLICATION NUMBER: PCT/US01/09847
; PRIOR FILING DATE: 2001-03-28
; PRIOR APPLICATION NUMBER: US 60/193,446
; PRIOR FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 1588
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1543
; LENGTH: 3226
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20040033502A1 X60382
US-10-240-425-1543

Query Match   75.8%; Score 348; DB 13; Length 3226;
Best Local Similarity   85.6%; Pred. No. 3e-113;
Matches 404; Conservative   0; Mismatches   55; Indels   13; Gaps   1;

Qy   1 GTCATGCTGATGGCTTCATAAAGGCAGGCAGGCCCAGAGCGCCCAGGCTTTCTGGGATGCCGCTT 60
           ||||| ||||| || ||||||||||| ||||| ||||||| ||||
Db 1573 GTCATGCCTGAGGGTTTATAAAGGCAGGCCAAAGGCCCAAAGCCCCGTCTGTCGTTTACTGTCATTCTCT 1632

Qy   61 GTCAGTGCTAACCACGGGGTAACAGGTATGCCCGTGTCTGCTTTTACTGTCATTCTCT 120
           ||||| |||||||||| |||| ||||||||||||||||||||||||||||| |||||
Db 1633 GTTAGTGCCAACCACCAGGGGGTAACGGAATGCCTGTGTCTGCTTTTACTGTTATTCTCC 1692

Qy   121 AAAGCTTACCCAGCAGTAGTGCCCCATCCCATTGATGAGATCTGTACATAGGCAG 180
           ||||||||||| ||| |||| || ||| ||| || ||| | ||||| ||||
Db 1633 AAAGCTTACCCAGCAATAGGCTCCCATACCCATCCCATAAATTTGTATACAGGCAA 1692

Qy   181 CAGCATTACGACCCAAGATCTGGTATCTTTACCTGTAAGATCCCAGCCATATACTATTTC 240
           ||||||| |||||||| | || ||||||| ||| ||| | || || |||| ||||||
Db 1753 CAGCATTATGACCCAAGGACTGGAATCTTTACTTGTCAGATACCAGCAGAATATACTATTT 1812

Qy   241 TCCTACCACGTGCATGTGAAAGGGACTCACGTTTGGGTAGGCCTGTATAAGAACGGC-- 297
           || ||||| ||||||||||||||||||| | ||||||||||| ||||| |||| |||
Db 1813 TCATACCACGTGCATGTGAAAGGGACTCATGTTTGGGTAGGCCTGTATTAAGAGATGGCCACC 1872

Qy   298 ---------ACACGTATGATGAGTACAGACAGAAAGGCTACCTGGATCAGGCTTCAGGGAGT 347
                    |||| ||||| |||| |||| |||||||||||||||||||||||||||||||
Db 1873 CCTGTAATGTACACCTATGATGAATACACCAAAGGCTACCTGGATCAGGCTTCAGGGAGT 1932

Qy   348 GCAATCATGGAGCTCACAGAGAAAATGACCAGGTATGCTCCAATGCCAGAATCA 407
           || |||| |||||||||||| ||||||||||||| ||||||||||| || |||
Db 1933 GCCATCATCGATCTCACAGAAAATGACCAGGTGTGCTCCAATGCCGAGTCA 1992

Qy   408 AACGGCCTCTACTCCTCTGAGTACGTCCACTCGTCCTTCTCAGGATTCCTAG 459
           || ||||| |||||||||||||| |||||||| || |||||||||||||||
Db 1993 AATGGCCTATACTCCTCTGAGTATGTCCACTCCTCTTTCTCAGGATTCCTAG 2044

RESULT 12
US-10-295-027-109
; Sequence 109, Application US/10295027
; Publication No. US20030232350A1
;GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynne, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 109
; LENGTH: 3285
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-295-027-109

Query Match   75.8%; Score 348; DB 16; Length 3285;

Db 1693 AAAGCTTACCAGCAATAGGAACTCCCATACCATCCATACATTTGTATAACAGGCAA 1752
Qy   181 CAGCATTACGACCCAAGATCTGGTATCTTTACCTGTAAGATCCCAGCCATATACTATTTC 240
Db 1753 CAGCATTATGACCCAAGGACTGGAATCTTTACTTGTCAGATACCAGCAGAATATACTATTT 1812
Qy   241 TCCTACCACGTGCATGTGAAAGGGACTCACGTTTGGGTAGGCCTGTATAAGAACGGC-- 297
Db 1813 TCATACCACGTGCATGTGAAAGGGACTCATGTTTGGGTAGGCCTGTATTAAGAGATGGCCACC 1872
Qy   298 ---------ACACGTATGATGAGTACAGACAGAAAGGCTACCTGGATCAGGCTTCAGGGAGT 347
Db 1873 CCTGTAATGTACACCTATGATGAATACACCAAAGGCTACCTGGATCAGGCTTCAGGGAGT 1932
Qy   348 GCAATCATGGAGCTCACAGAGAAAATGACCAGGTATGCTCCAATGCCAGAATCA 407
Db 1933 GCCATCATCGATCTCACAGAAAATGACCAGGTGTGCTCCAATGCCGAGTCA 1992
Qy   408 AACGGCCTCTACTCCTCTGAGTACGTCCACTCGTCCTTCTCAGGATTCCTAG 459
Db 1993 AATGGCCTATACTCCTCTGAGTATGTCCACTCCTCTTTCTCAGGATTCCTAG 2044

RESULT 13
US-10-198-846-8437
; Sequence 8437, Application US/1019846
; Publication No. US20030099974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinmann, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10/198,846
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8437
; LENGTH: 636
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 7, 592, 595, 610, 617, 619, 621
; OTHER INFORMATION: n = A,T,C or G
US-10-198-846-8437

Query Match   74.2%; Score 340.4; DB 15; Length 636;
Best Local Similarity   84.1%; Pred. No. 7e-111;
Matches 397; Conservative   0; Mismatches   62; Indels   13; Gaps   1;

Qy   1 GTCATGCCTGATGGCTTCATAAAGGCAGGCCAGAGGCCCAGGCTTTCTGGGATGCCGCTT 60
          |||||| |||| ||| ||||||||| |||| |||||||||||||||| |||||||| |||
Db   159 GTCATGCCTGAGGGTTTTATAAAGGCAGGCCAAAGGCCCAGTCTTTCTGGGACCCCTCTT 218

RESULT 14
US-10-198-846-10814
; Sequence 10814, Application US/1019846
; Publication No. US20030099974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinmann, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10/198,846
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10814
; LENGTH: 3368
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1, 2, 3, 4, 3361, 3362, 3363, 3364, 3365, 3366, 3367, 3368
; OTHER INFORMATION: n = A,T,C or G
US-10-198-846-10814

Query Match   73.2%; Score 336; DB 15; Length 3368;
Best Local Similarity   85.4%; Pred. No. 6.1e-109;
Matches 403; Conservative   0; Mismatches   55; Indels   14; Gaps   2;

Qy   1 GTCATGCCTGATGGCTTCATAAAGGCAGGCCAGAGGCCCAGGCTTTCTGGGATGCCGCTT 60
          |||||| |||| ||| ||||||||| |||| |||||||||||||||| |||||||| |||
Db   1731 GTCATGCCTGAGGGTTTTATAAAGGCAGGCCAAAGGCCCAGTCTTTCTGGGACCCCTCTT 1790

Qy   61 GTCAGTGCTAACCACGGGGTAACAGTAGTGCCCCGTGCTGCTTTTACTGTCATTCTCT 120
          ||||| || |||||||||||||||||||| |||||| ||||| |||||||| |||| |
Db   1791 GTTAGTGCCAACCAGGGGGTAACAGGGGGTAACAGGAATGCCTGTGTCTGCTTTATTCTCC 1850

Qy   121 AAAGCTTACCCAGCAGCAGTAGGTGCCCCATCCCATTTGATGAGATTCGTACAATAGGCAG 180
          |||||||||||| ||||| |||||| ||||||||||| |||| |||||||| |||||||||
Db   1851 AAAGCTTACCCAGCAGTGCCCCCATCCCATACCATTTGATAAAAATTTGTATAAACAGGCAA 1909

```
Qy    181 CAGCATTACGACCCAAGATCTGGTATCTTTACCTGTAAGATCCCAGGCATATACTATTTC 240
          ||||||| ||| ||  || ||||||||| |||  ||| |||||||||| ||||  |||||
Db   1910 CAGCATTATGACCCAAGGACTGGAATCTTTACTTGTCAGATACCAGGAATATACTATTTT 1969

Qy    241 TCCTACCACGTGCATGTGAAAGGGACTCACGTTTGGGTAGGCCTGTATAAGAACGGC--- 297
          |||||| ||| ||||||| |||||||||||||||||| ||||||||||| |||||| ||
Db   1970 TCATACCACGTGCATGTGAAAGGGACTCATGTTTGGGTAGGCCTGTATAAGAATGGCACC 2029

Qy    298 --------ACACGTATGATGAGTACAGCAAAGGCTACCTGGATCAGCTTCAGGGAGT    347
                  || ||||| ||| || ||||||||||| ||||||||||| |||||||||||
Db   2030 CCTGTAATGTACACCTATGATGAATACACCAAAGGCTACCTGGATCAGCCTTCAGGGAGT 2089

Qy    348 GCAATCATGGAGCTCACAGAAAATGACCAGGTATGGCTCCAATTGCCCAATGCAGAATCA 407
          ||  |||| || || ||||| |||| ||||| |||||| ||||| |||||||||| |||
Db   2090 GCCATCATCGATCTCACAGAAAATGACCAGGTGCTGGCTCCAGCTTCCCAATGCCGAGTCA 2149

Qy    408 AACGGCCCTACTCCTCGAGTACGTCCACTCGTCCTTCTCAGGATTCCTAG    459
          || || || ||||||||| |||||| ||||||| |||||| ||||||||||
Db   2150 AATGGCCTATACTCCTCGAGTATGTCCACTCCTCTTTTCTCAGGATTCCTAG 2201
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RESULT 15
US-10-085-783A-38423
; Sequence 38423, Application US/10085783A
; Publication No. US20040037841A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
• APPLICANT: Liew, C.C.
; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2002
; CURRENT APPLICATION NUMBER: US/10/085,783A
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 38423
;   LENGTH: 465
;   TYPE: DNA
;   ORGANISM: Human
US-10-085-783A-38423

Query Match   61.2%;   Score 281; DB 13; Length 465;
Best Local Similarity   85.1%;   Pred. No. 1.1e-89;
Matches 331; Conservative 0; Mismatches 45; Indels 13; Gaps 1;

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Qy     84 AGGTATGCCCGTGCTTTACTGTCATTCTCTAAAGCTTACCCAGCAGTAGGTGC 143
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Db      1 AGGAATGCCTGTGTGTCGCTTTACTGTTATTCTCTCCAAAGCTTACCCAGCAATAGGAAC 60

Qy    144 CCCCATCCCATTTGATGAGATTCTGTACAATAGGCAGCAGCATTACGACCCAAGATCTGG 203
          |||| |||  ||||  || ||| ||||| | || |||| || ||| ||| |||| ||||
Db     61 TCCCATACCATTTGATAAAATTTTGTATACACAGGCAACAGCATTATGACCCAAGGACTGG 120

Qy    204 TATCTTTACCTGTAAGATCCCAGGCATATACTATTTC 263
          ||||||||| |||  || |||| || ||||| ||||||
Db    121 AATCTTTACTTGTCAGATACCAGGAATATACTATTTTTCATACCACGTGCATGTGAAAGG 180

Qy    264 GACTCACGTTTGGGTAGGCCTGTAGGCCTGTATAAGAACGGC--------ACACGTATGATGA 310
          ||||||||||||||||||||||||| ||||| ||||||||| |||||||||||||
Db    181 GACTCATGTTTGGGTAGGCCTGTAGGCCTGTATAAGAATGGCACCCCTGTAATGTACACCTATGATGA 240

Qy    311 GTACAGCAAAGGCTACCTGGATCAGCTTCAGGGAGTCAATCATGGAGCTCACAGAAAA 370
          |||| || ||||||||||| |||||| |||||||||| ||| || || ||||| ||||
Db    241 ATACACCAAAGGCTACCTGGATCAGCCTTCAGGGAGTGCCATCATCGATCTCACAGAAAA 300

Qy    371 TGACCAGGTATGGCTCCAATGCCCAATGCAGAATCAAACGGCCCTACTCCTCGAGTA 430
          ||| ||||| ||||| |||| |||||| || ||| || || ||  |||||||||||
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Db    301 TGACCAGGTGTGGCTCCAGCTTCCCAGCTTCCCAATGCCGAGTCAAATGGCCTACACTCCTCTGAGTA 360

Qy    431 CGTCCACTCGTCCTTCTCAGGATTCCTAG 459
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Db    431 CGTCCACTCGTCCTTCTCAGGATTCCTAG 459

Db    361 TGTCCACTCCTCTTTCTCAGGATTCCTAG 389
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Search completed: July 20, 2004, 23:48:02
Job time : 338 secs

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OM nucleic - nucleic search, using sw model

                GenCore version 5.1.6
          Copyright (c) 1993 - 2004 Compugen Ltd.

Run on:   July 20, 2004, 11:56:30 ; Search time 66 Seconds
                                     (without alignments)
                          3859.431 Million cell updates/sec

Title:          US-09-975-607A-2
Perfect score:  459
Sequence:       1 gtcatgcctgatggcttcat........gtccttccaggattcctag 459

Scoring table:  IDENTITY_NUC
                Gapop 10.0 , Gapext 1.0

Searched:   682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters:    1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :  Issued_Patents_NA:*
  1: /cgn2_6/ptodata/2/ina/5A_COMB.seq:*
  2: /cgn2_6/ptodata/2/ina/5B_COMB.seq:*
  3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*
  4: /cgn2_6/ptodata/2/ina/6B_COMB.seq:*
  5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
  6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	459	100.0	459	4	US-09-415-551-2	Sequence 2, Appli
2	436	95.0	486	4	US-09-415-551-1	Sequence 1, Appli
3	133	29.0	2487	4	US-09-620-312D-160	Sequence 160, App
4	90.8	19.8	855	4	US-09-552-204A-10	Sequence 10, Appl
5	69	15.0	1313	2	US-08-463-911-6	Sequence 6, Appli
6	69	15.0	4517	4	US-09-140-804-9	Sequence 9, Appli
7	69	15.0	4517	4	US-09-686-838B-9	Sequence 9, Appli
8	69	15.0	4517	4	US-09-776-976-5	Sequence 5, Appli
9	69	15.0	4517	4	US-09-909-547-5	Sequence 5, Appli
10	69	15.0	4545	4	US-09-569-852B-5	Sequence 5, Appli
11	69	15.0	20966	4	US-09-776-976-7	Sequence 7, Appli
12	69	15.0	20966	4	US-09-909-547-7	Sequence 7, Appli
13	69	15.0	20966	4	US-09-569-852B-1	Sequence 1, Appli
14	66.8	14.6	729	3	US-09-140-804-10	Sequence 10, Appl
15	66.8	14.6	729	4	US-09-686-838B-10	Sequence 10, Appl
16	66.6	14.5	1152	4	US-09-776-976-1	Sequence 1, Appli
17	66.6	14.5	1152	4	US-09-909-547-1	Sequence 1, Appli
18	66.6	14.5	1276	2	US-08-463-911-1	Sequence 1, Appli
19	66.6	14.5	1276	4	US-09-776-976-3	Sequence 3, Appli
20	66.6	14.5	1276	4	US-09-909-547-3	Sequence 3, Appli
21	64.2	14.0	1161	4	US-09-552-204A-1	Sequence 1, Appli
22	56.6	12.3	1052	4	US-09-312-283C-358	Sequence 358, App
23	56.6	12.3	1107	3	US-09-188-930-217	Sequence 217, App
24	56.6	12.3	1107	4	US-09-312-283C-217	Sequence 217, App
25	49.6	10.8	729	4	US-09-336-536-9	Sequence 9, Appli
26	49.6	10.8	1263	4	US-09-336-536-8	Sequence 8, Appli
27	48	10.5	1001	3	US-09-188-930-218	Sequence 218, App
28	48	10.5	1001	4	US-09-312-283C-218	Sequence 218, App
29	48	10.5	1015	3	US-09-188-930-30	Sequence 30, Appl
30	48	10.5	1015	4	US-09-312-283C-30	Sequence 30, Appl
31	45.6	9.9	728	4	US-09-336-536-2	Sequence 2, Appli
32	45.6	9.9	1141	4	US-09-800-729-78	Sequence 78, Appl
33	45.6	9.9	1338	4	US-09-336-536-1	Sequence 1, Appli
34	45.6	9.9	1347	3	US-09-140-804-1	Sequence 1, Appli
35	45.6	9.9	1347	4	US-09-686-838B-1	Sequence 1, Appli
36	45.6	9.3	1377	4	US-09-866-028-41	Sequence 41, Appl
37	42.6	9.3	935	4	US-09-023-655-1252	Sequence 1252, Ap
38	39.4	8.6	1839	4	US-08-383-744-1	Sequence 1, Appli
39	39.4	8.6	1839	2	US-08-999-336-1	Sequence 1, Appli
40	39.4	8.6	1839	5	PCT-US96-01427-1	Sequence 1, Appli
41	39	8.5	1108	4	US-09-800-729-42	Sequence 42, Appl
42	38.4	8.4	1297	4	US-09-800-729-80	Sequence 80, Appl
43	36.6	8.0	536	4	US-09-552-204A-11	Sequence 11, Appl
44	35.6	7.8	1333	4	US-09-227-357-51	Sequence 51, Appl
45	35	7.6	832	4	US-09-621-976-2813	Sequence 2813, Ap

ALIGNMENTS

```
RESULT 1
US-09-415-551-2
; Sequence 2, Application US/0915551
; Patent No. 6369295
; GENERAL INFORMATION:
;   APPLICANT: Cheah, Kathryn
;   APPLICANT: Cheung, Kenneth
;   TITLE OF INVENTION: USES OF TRANSGENIC ANIMALS CONTAINING A TYPE X COLLAGEN
;   TITLE OF INVENTION: MUTANT
;   FILE REFERENCE: 57114-A
;   CURRENT APPLICATION NUMBER: US/09/415,551
;   CURRENT FILING DATE: 1999-10-08
;   NUMBER OF SEQ ID NOS: 5
;   SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
;   LENGTH: 459
;   TYPE: DNA
;   ORGANISM: mouse
US-09-415-551-2

Query Match            100.0%;  Score 459;  DB 4;  Length 459;
Best Local Similarity  100.0%;  Pred. No. 1.1e-155;
Matches  459;  Conservative  0;  Mismatches  0;  Indels  0;  Gaps  0;

Qy    1 GTCATGCCTGATGGCTTCATAAAGGCAGAGGCCCAGAGGCTTCTGGGATGCCGCTT   60
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Db    1 GTCATGCCTGATGGCTTCATAAAGGCAGAGGCCCAGAGGCTTCTGGGATGCCGCTT   60

Qy   61 GTCAGTGCTAACCACGGGGTAACAGGTATGCCCGTGTCTGCTTTGTCATTCTCTCT  120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   61 GTCAGTGCTAACCACGGGGTAACAGGTATGCCCGTGTCTGCTTTGTCATTCTCTCT  120

Qy  121 AAAGCTTACCCAGCAGTAGGTGCCCCCATCCCATTGTGATGAGATTCGTACAATAGGCAG  180
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  121 AAAGCTTACCCAGCAGTAGGTGCCCCCATCCCATTGTGATGAGATTCGTACAATAGGCAG  180

Qy  181 CAGCATTACGACCCAGATCTGGTATCTTTACCTGTAAGATCCCAGGCATATACTATTTC  240
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  181 CAGCATTACGACCCAGATCTGGTATCTTTACCTGTAAGATCCCAGGCATATACTATTTC  240

Qy  241 TCCTACCACGTGCATGTGAAAGGGACTCACGTTCGGGTAGGCCTGTATAAGAACGGCACA  300
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  241 TCCTACCACGTGCATGTGAAAGGGACTCACGTTCGGGTAGGCCTGTATAAGAACGGCACA  300

Qy  301 CGTATGATGAGTACAGCAAAGGCTACCTGGATCAGGCTTCAGGGAGTGCAATCATGGAGC  360
          |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  301 CGTATGATGAGTACAGCAAAGGCTACCTGGATCAGGCTTCAGGGAGTGCAATCATGGAGC  360

Qy  361 TCACAGAAAATGACCAGGTATGGCTCCAATTGCCCAATGCAGAATCAAACGCCCTCTACT  420
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Db    361  TCACAGAAAATGACCAGTAGCTCCAATTGCCCAATGCAGAATCAAACGGCCTCTACT 420

Qy    421  CCTCTGAGTACGTCCACTCGTCCTTCTCCAGGATTCCTAG 459
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Db    421  CCTCTGAGTACGTCCACTCGTCCTTCTCCAGGATTCCTAG 459


RESULT 2
US-09-415-551-1
; Sequence 1, Application US/09415551
; Patent No. 6369295
; GENERAL INFORMATION:
;   APPLICANT: Cheah, Kathryn
;   APPLICANT: Cheung, Kenneth
;   TITLE OF INVENTION: USES OF TRANSGENIC ANIMALS CONTAINING A TYPE X COLLAGEN
;   TITLE OF INVENTION: MUTANT
;   FILE REFERENCE: 57114-A
;   CURRENT APPLICATION NUMBER: US/09/415,551
;   CURRENT FILING DATE: 1999-10-08
;   NUMBER OF SEQ ID NOS: 5
;   SOFTWARE: PatentIn Ver. 2.0
;
; SEQ ID NO 1
;   LENGTH: 486
;   TYPE: DNA
;   ORGANISM: mouse
US-09-415-551-1

Query Match        95.0%;  Score 436;  DB 4;  Length 486;
Best Local Similarity 97.2%;  Pred. No. 2.2e-147;
Matches 459;  Conservative    0;  Mismatches    0;  Indels  13;  Gaps 1;

Qy      1  GTCATGCCTGATGGCTTCATAAAGGCAGGCCAGAGGCCCAGGCTTTCTGGGATGCCGCTT 60
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1  GTCATGCCTGATGGCTTCATAAAGGCAGGCCAGAGGCCCAGGCTTTCTGGGATGCCGCTT 60

Qy     61  GTCAGTGCTAACCACGGGTAACAGTATGCCCGTGTCTGCTTTTACTGTCCATTCTCT 120
           |||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61  GTCAGTGCTAACCACGGGTAACAGTATGCCCGTGTCTGCTTTTACTGTCATTCTCT 120

Qy    121  AAAGCTTACCCAGCAGTAGGTGCCCCATCCATTTGATGAGATTCTGTACAAATAGGCAG 180
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Db    121  AAAGCTTACCCAGCAGTAGGTGCCCCATCCATTTGATGAGATTCTGTACAAATAGGCAG 180

Qy    181  CAGCATTACGAGACCCAAGATCTGGTATCTTTACCTCTGTAAGATCCCAGGCATATACTATTTC 240
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Db    181  CAGCATTACGACCCAAGATCTGGTATCTTTACCTGTAAGATCCCAGGCATATACTATTTC 240

Qy    241  TCCTACCACCGTGCATGTGAAAGGACTCACGTTTGGGTAGGCCTGTATAAGAACCGGC--- 297
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Db    241  TCCTACCACCGTGCATGTGAAAGGGACTCACGTTTGGGTAGGCCTGTATAAGAACCGGCACG 300

Qy    298  --------ACACGTATGATGAGTACAGCAAAGGCTTCAGGGAGT 347
                   ||||||||||||||||||||||||||||||||||
Db    301  CCTACGATGTACACGTATGATGAGTACAGCAAAGGCTTCAGGGAGT 360

Qy    348  GCAATCATGGAGCTTCACAGAAAATGACCAGTATGCCCAATGCAGAATCA 407
           ||||||||||||||||||||||||||||||||||||||||||||||||||
Db    361  GCAATCATGGAGCTTCACAGAAAATGACCAGTATGCCCAATGCAGAATCA 420

Qy    408  AACGGCCTCTACTCCTCTGAGTACGTCCACTCGTCCTTCTCCAGGATTCCTAG 459
           ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    421  AACGGCCTCTACTCCTCTGAGTACGTCCACTCGTCCTTCTCCAGGATTCCTAG 472


RESULT 3
US-09-620-312D-160
; Sequence 160, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
;   APPLICANT: Tang, Y. Tom
;   APPLICANT: Liu, Chenghua
;   APPLICANT: Asundi, Vinod
;   APPLICANT: Zhang, Jie
```

```
;   APPLICANT: Ren, Feiyan
;   APPLICANT: Chen, Rui-hong
;   APPLICANT: Zhao, Qing A.
;   APPLICANT: Wehrman, Tom
;   APPLICANT: Xue, Aidong J.
;   APPLICANT: Yang, Yonghong
;   APPLICANT: Wang, Jian-Rui
;   APPLICANT: Zhou, Ping
;   APPLICANT: Ma, Yunqing
;   APPLICANT: Wang, Dunrui
;   APPLICANT: Wang, Zhiwei
;   APPLICANT: John Tillinghast
;   APPLICANT: Drmanac, Radoje T.
;   TITLE OF INVENTION: No. 6569662e1 Nucleic Acids and
;   TITLE OF INVENTION: Polypeptides
;   FILE REFERENCE: 784CIP2B
;   CURRENT APPLICATION NUMBER: US/09/620,312D
;   CURRENT FILING DATE: 2000-07-19
;   PRIOR APPLICATION NUMBER: 09/552,317
;   PRIOR FILING DATE: 2000-04-25
;   PRIOR APPLICATION NUMBER: 09/488,725
;   PRIOR FILING DATE: 2000-01-21
;   NUMBER OF SEQ ID NOS: 1105
;   SOFTWARE: pt_FL_genes Version 1.0
;
; SEQ ID NO 160
;   LENGTH: 2487
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (235)..(2469)
US-09-620-312D-160

Query Match        29.0%;  Score 133;  DB 4;  Length 2487;
Best Local Similarity 62.1%;  Pred. No. 1.5e-37;
Matches 234;  Conservative    0;  Mismatches 130;  Indels  13;  Gaps 1;

Qy     95  TGTCTGCTTTACTGTCATTCTCTAAAGCTAACCCAGCAGTAGGTGCCCCATCCCAT 154
           |||||| |||||||||  || |  || ||| |||| |||| ||||| ||  || |
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Qy    155  TTGATGAGATTCTGTACAAATAGGCAGCATTACGACCCAAGATCTGGTATCTTTACCT 214
           ||||||||||||| |  ||||| |  ||| ||| ||  || || ||||| ||| ||||
Db   2138  TTAACAAACTGCTGTATAACGGCAGCAGAACTACACCCGACAGGACATCTTCACCT 2197

Qy    215  GTAAGATCCCAGGCATATACTATTTCTCCTACCACGTGCATGTGAAAGGGACTCACGTTT 274
           |||| || ||| |||| |  | ||| |||||||||  || |||| ||||||  ||||| |
Db   2198  GTGAGGTCCCTGGTGTCCTGTCTCACTTTGCATACCACACGTTCACTGCAAGGGGGCAACGTGT 2257

Qy    275  GGGTAGGCCTGTATAGAAC-------------------GGCACACGTATGATGAGTACAGCAAAG 321
           ||||| |||| ||| | ||                    || |||| ||| |||||| ||||| |
Db   2258  GGGTTGCTCTATTCAAGAACAACGAGCCCGTGATGTACACGAGTCACAGAAAATGACCAGGTAT 2317

Qy    322  GCTTCAGGGAGTGCAATCATGGAGCTTCACAGAAAATGACCAGTATGCCCAATGCAGAATCA 381
           ||||||| ||||   ||  ||||   ||||| ||||  ||  ||| |  ||||| |||||  |
Db   2318  GCTTCCTGGACCAGGATCTGGGAGTGCAGTGCTGCTCAGGGCCCGGAGACCGGGGTGT 2377

Qy    382  GGCTCCAATTGCCCAATGCAGAATCAGAATGCCCAATGCCAATGCAGAATCA 441
           |||| ||| |||| ||||| ||| ||  || || |||| |||| |||||  |
Db   2378  TCCTCCAGATGCCTCCAGAACAGGCTGCAGGACTGTATGCCCGGCAGTATGTCCACTCCT 2437

Qy    442  CCTTCTCAGGATTCCTA 458
           ||||||| |||| ||| 
Db   2438  CCTTTTCAGGATATTTA 2454


RESULT 4
US-09-552-204A-10
; Sequence 10, Application US/09552204A
; Patent No. 6620909
; GENERAL INFORMATION:
;   APPLICANT: Piddington, Christopher S.
;   APPLICANT: Bishop, Paul D.
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; TITLE OF INVENTION: ADIPOCYTE-SPECIFIC PROTEIN HOMOLOG ZACRP2
; FILE REFERENCE: 99-08
; CURRENT APPLICATION NUMBER: US/09/552,204A
; CURRENT FILING DATE: 2000-04-19
; PRIOR APPLICATION NUMBER: 60/130,207
; PRIOR FILING DATE: 1999-04-20
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 855
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Degenerate nucleotide sequence encoding the
; OTHER INFORMATION: polypeptide of SEQ ID NO:2.
; NAME/KEY: variation
; LOCATION: (1)...(855)
; OTHER INFORMATION: Each N is independently any nucleotide.
US-09-552-204A-10

Query Match             19.8%;  Score 90.8;  DB 4;  Length 855;
Best Local Similarity   35.3%;  Pred. No. 1.5e-22;
Matches  129;  Conservative   70;  Mismatches 156;  Indels  10;  Gaps  1;

Qy      77  GGGTAACAGGTATGCCGTGTCTGCTTTACTGTGTCATTCTCTAAAGCTTACCCAGCAG 136
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Db     428  GYGGNWSNGGNCAYACNAARWSNGCNTTYWSNGTNGCNGTNACNAARWSNTAYCCNMGNG 487

Qy     137  TAGGTGCCCCATCCATTGATGAGATTCTGTACAATAGGCAGCAGCATTACGACCCAA 196
            : |||:||:   || :  ||| ||:||:||||:  : :|| :|| ||| :||||: :
Db     488  ARMGNYTNCCNATHAARTTYGAYAARATHYTNATGAAYGARGGNGNCAYTAYAAYGCNW 547

Qy     197  GATCTGGTATCTTTACCTGTAAGATCCCAGGCATATACTATTTCTCCTACCACGTGCATG 256
            || ::||| |||:|||| |:|||||||:||| ||| |||:| |||||:|||:||:|| ||
Db     548  SNWSNGGNAARTTYGTNTGYGGNGTNCCNGGNATHTAYTAYTTYACNTAYGAYATHACNY 607

Qy     257  TGAAAGGGACTCACGTTTGGGTAGGCCTGTATAAGAACGGCACACGTATGATGAGTAC-- 314
            ||||:||| ||:|||:  ||||||:||||||||||||:|| :|: ||||||||||||
Db     608  TNGCNAAYAARCAYYTNGCNATHGGNYTNGTNCAYAAYGGNCARTAYMGNATHMGNACNT 667

Qy     315  -------AGCAAAGGCTACCTGGATCAGGCTTCAGGGAGTGCAATCATGGAGCTCACAG 366
                   |  :|||| ||| :|| |: :|| ||||:|| |: ||:|||:|:|| ||||
Db     668  TYGAYGCNAAYACNGGNAAYCAYGAYGTNGCNWSNGGNWSNACNATHYTNGCNYTNAARC 727

Qy     367  AAAATGACCAGGTATGGCTCCAATGCCAATGCAGAATCAAACGGCCTTACTCCTCTG 426
            |||:|| ||||| || ||::|||| :|||| :|| |:||| :|| ||:|| :||:|:
Db     728  ARGGNGAYGARGTNTCGYTNCARATHTYTAYWSNGARCARAAYGGNYTNTTYTAYGAYC 787

Qy     427  AGTAC 431
            |:|||
Db     788  CNTAY 792
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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/463,911
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: WH195-05
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 861-6240
; TELEFAX: (617) 861-9540
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1313 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 73..804
US-08-463-911-6

Query Match             15.0%;  Score 69;  DB 2;  Length 1313;
Best Local Similarity   55.6%;  Pred. No. 1.4e-14;
Matches  183;  Conservative    0;  Mismatches 130;  Indels  16;  Gaps  2;

Qy     145  CCCATCCATTGATGAGATTCTGTACAATAGGCAGCAGCATTACGACCCAAGATCTGGT 204
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Db     457  CCCATTGCTTTACCAGATCTTCTACAATCAGCAAAACCACTATGATGGCTCCACTGGT 516

Qy     205  ATCTTTACCTGTAAGATCCCAGGCATATACTATTTCTCCTACCACGTGCATGTGAAAGGG 264
            || || |||| |  |||| |||| |||   ||||||| |||| |||||||||||||||||
Db     517  AAATTCCACTGCAACATTCCTGGGCTGTGCTACTTTGCCTACCACATCACAGTCTATATG 576

Qy     265  ACTCACGTTTGGGTAGGCCTGTATAAGAACGGCA----------CACGTATGATGAG 311
            || |||||||||||  |||| |||||||||| |:          |||| |||||||||
Db     577  AAGGATGTGAAGTCAGCCTCTTCAAGAAGGACAAGGCTATGCTCTTCACCTATGATCAG 636

Qy     312  TACAGCAAAGGCTACCTGGATCAGGCTTCAGGGAGTGCAATCATGGAGCTCACAGAGAAAT 371
            ||||||| |||| ||||||| |||| |||  ||||||| |||||| ||||| ||||||||
Db     637  TACCAGGAAAAATAATGTGACCAGGCCTCGGGCTCGTGCTCCTGCATCTGAGGTGGGC 696

Qy     372  GACCAGGTATGGCTCCAATTG---CCCAATGCAGAATCAAACGGCCTTACTCCTCTGGAG 428
            |||||||| |||| |||| ||   |||||||||||||||||||||||| || |||||||||
Db     697  GACCAAGTCTGGCTCCAGGTGTATGGGAAGGAGGAGGCGTAATGGACTTCATGTGATAAT 756

Qy     429  TACGTCCACTCGTCCTTTCTCCAGGATTCCT 457
            ||| ||||||||||||| |||||||||||||
Db     757  GACAATGACTCCACCTTCACAGGCTTTCT 785
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RESULT 5
US-08-463-911-6
; Sequence 6, Application US/08463911
; Patent No. 5869330
; GENERAL INFORMATION:
; APPLICANT: Scherer, Philipp E.
; APPLICANT: Lodish, Harvey F.
; TITLE OF INVENTION: A NOVEL SERUM PROTEIN PRODUCED
; TITLE OF INVENTION: EXCLUSIVELY IN ADIPOCYTES
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible

RESULT 6
US-09-140-804-9
; Sequence 9, Application US/09140804
; Patent No. 6197930
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Humes, Jacqueline M.
; TITLE OF INVENTION: ADIPOCYTE-SPECIFIC PROTEIN HOMOLOGS
; FILE REFERENCE: 97-49
; CURRENT APPLICATION NUMBER: US/09/140,804
; CURRENT FILING DATE: 1998-08-26
; EARLIER APPLICATION NUMBER: 60/056,983
; EARLIER FILING DATE: 1997-08-26
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 9
; LENGTH: 4517
; TYPE: DNA
; ORGANISM: Homo sapiens
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US-09-140-804-9

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Query Match      15.0%;   Score 69;  DB 3;  Length 4517;
Best Local Similarity    55.6%;   Pred. No. 2.8e-14;
Matches  183;   Conservative   0;  Mismatches  130;  Indels  16;  Gaps  2;

Qy  145 CCCATCCCATTTGATGAGATTCTGTACAATAGGCAGCAGCATTACGACCCAAGATCTGGT 204
        |||||||||||||||||||||||||||||| | |||| | |||||  | | |||| ||||
Db  411 CCCATTCGCTTTACCAAGATCTTCTACAATCAGCAAAACCACTATGATGGCTCCACTGGT 470

Qy  205 ATCTTTACCTGTAAGATCCCAGGCATATACTATTTCTCCTACCACGTGCATGTGAAAGGG 264
        ||  | |||||| ||||| |||||||| |||||  | ||||||||| |||| |||| |||
Db  471 AAATTCCACTGCAACATTCCTGGGCTGTACTACTTTGCCTACCACCATCACAGTCTATATG 530

Qy  265 ACTCACGTTTGGGTAGGCCTGTATAAGAACGGCA----------CACGTATGATGAG 311
        |||||||||||||| |||  |  |||| |||||||          |||| ||||||||
Db  531 AAGGATGTGAAGGTCAGCCTCTTCAGAAGGACAAGGCTATGTCTTCACCTATGATCAG 590

Qy  372 GACCAGGTATGGCTCCAATTG---CCCAATGCAGAATCAAACGGCCTCTACTCCTCTGAG 428
        ||||| || ||||| ||| ||   ||||| |  | |||| | ||| |  ||| | ||||
Db  651 GACCAAGTCTGGCTCGGCTCCAGGTGTATGGGAGGAGGACGCGTAATGGACTCTATGCTGATAAT 710

Qy  429 TACGTCCACTCGTCCTTCTCAGGATTCCT 457
        |||| |||||  || ||| ||||| | ||
Db  711 GACAATGACTCCACCTTCACAGGCTTTCT 739
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RESULT 7
US-09-686-838B-9
; Sequence 9, Application US/09686838B
; Patent No. 6482612
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Humes, Jacqueline M.
; TITLE OF INVENTION: Adipocyte-Specific Protein Homologs
; FILE REFERENCE: 97-49D1
; CURRENT APPLICATION NUMBER: US/09/686,838B
; CURRENT FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: US 09/140,804
; PRIOR FILING DATE: 1998-08-26
; PRIOR APPLICATION NUMBER: US 60/056,983
; PRIOR FILING DATE: 1997-08-26
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 4517
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-686-838B-9

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Query Match      15.0%;   Score 69;  DB 4;  Length 4517;
Best Local Similarity    55.6%;   Pred. No. 2.8e-14;
Matches  183;   Conservative   0;  Mismatches  130;  Indels  16;  Gaps  2;

Qy  145 CCCATCCCATTTGATGAGATTCTGTACAATAGGCAGCAGCATTACGACCCAAGATCTGGT 204
        |||||||||||||||||||||||||||||| | |||| | |||||  | | |||| ||||
Db  411 CCCATTCGCTTTACCAAGATCTTCTACAATCAGCAAAACCACTATGATGGCTCCACTGGT 470

Qy  205 ATCTTTACCTGTAAGATCCCAGGCATATACTATTTCTCCTACCACGTGCATGTGAAAGGG 264
        ||  | |||||| ||||| |||||||| |||||  | ||||||||| |||| |||| |||
Db  471 AAATTCCACTGCAACATTCCTGGGCTGTACTACTTTGCCTACCACCATCACAGTCTATATG 530

Qy  265 ACTCACGTTTGGGTAGGCCTGTATAAGAACGGCA----------CACGTATGATGAG 311
        |||||||||||||| |||  |  |||| |||||||          |||| ||||||||
Db  531 AAGGATGTGAAGGTCAGCCTCTTCAGAAGGACAAGGCTATGTCTTCACCTATGATCAG 590

Qy  312 TACAGCAAAGGCTACCTGATCAGGCTTCAGGAGTGCAATCATGGAGCTCACAGAAAAT 371
        |||| |||| |||| |||||||||| ||| ||||| |||||  | | ||||||||||||
Db  591 TACCAGGAAAATAATGTGGACCAGGCTCCCGGGAGTGCAATCATGGAGCTCACAGAAAAT 650

Qy  372 GACCAGGTATGGCTCCAATTG---CCCAATGCAGAATCAAACGGCCTCTACTCCTCTGAG 428
        ||||| || ||||| ||| ||   ||||| |  | |||| | ||| |  ||| | ||||
Db  651 GACCAAGTCTGGCTCGGCTCCAGGTGTATGGGAGGAGGACGCGTAATGGACTCTATGCTGATAAT 710

Qy  429 TACGTCCACTCGTCCTTCTCAGGATTCCT 457
        |||| |||||  || ||| ||||| | ||
Db  711 GACAATGACTCCACCTTCACAGGCTTTCT 739
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RESULT 8
US-09-776-976-5
; Sequence 5, Application US/09776976
; Patent No. 6566332
; GENERAL INFORMATION:
; APPLICANT: Fruebis, Joachim
; APPLICANT: Erickson, Mary Ruth
; APPLICANT: Yen, Frances
; APPLICANT: Bihain, Bernard
; TITLE OF INVENTION: OBG3 Globular Head and Uses Thereof for Decreasing Body Mass
; FILE REFERENCE: 76.US4.REG
; CURRENT APPLICATION NUMBER: US/09/776,976
; CURRENT FILING DATE: 2001-02-05
; PRIOR APPLICATION NUMBER: US 09/758,055
; PRIOR FILING DATE: 2001-01-10
; PRIOR APPLICATION NUMBER: US 60/176,228
; PRIOR FILING DATE: 2000-01-14
; PRIOR APPLICATION NUMBER: US 60/198,087
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: US 60/299,881
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patent.pm
; SEQ ID NO 5
; LENGTH: 4517
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-776-976-5

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Query Match      15.0%;   Score 69;  DB 4;  Length 4517;
Best Local Similarity    55.6%;   Pred. No. 2.8e-14;
Matches  183;   Conservative   0;  Mismatches  130;  Indels  16;  Gaps  2;

Qy  145 CCCATCCCATTTGATGAGATTCTGTACAATAGGCAGCAGCATTACGACCCAAGATCTGGT 204
        |||||||||||||||||||||||||||||| | |||| | |||||  | | |||| ||||
Db  411 CCCATTCGCTTTACCAAGATCTTCTACAATCAGCAAAACCACTATGATGGCTCCACTGGT 470

Qy  205 ATCTTTACCTGTAAGATCCCAGGCATATACTATTTCTCCTACCACGTGCATGTGAAAGGG 264
        ||  | |||||| ||||| |||||||| |||||  | ||||||||| |||| |||| |||
Db  471 AAATTCCACTGCAACATTCCTGGGCTGTACTACTTTGCCTACCACCATCACAGTCTATATG 530

Qy  265 ACTCACGTTTGGGTAGGCCTGTATAAGAACGGCA----------CACGTATGATGAG 311
        |||||||||||||| |||  |  |||| |||||||          |||| ||||||||
Db  531 AAGGATGTGAAGGTCAGCCTCTTCAGAAGGACAAGGCTATGTCTTCACCTATGATCAG 590

Qy  312 TACAGCAAAGGCTACCTGATCAGGCTTCAGGAGTGCAATCATGGAGCTCACAGAAAAT 371
        |||| |||| |||| |||||||||| ||| ||||| |||||  | | ||||||||||||
Db  591 TACCAGGAAAATAATGTGGACCAGGCTCCCGGGAGTGCAATCATGGAGCTCACAGAAAAT 650

Qy  372 GACCAGGTATGGCTCCAATTG---CCCAATGCAGAATCAAACGGCCTCTACTCCTCTGAG 428
        ||||| || ||||| ||| ||   ||||| |  | |||| | ||| |  ||| | ||||
Db  651 GACCAAGTCTGGCTCGGCTCCAGGTGTATGGGAGGAGGACGCGTAATGGACTCTATGCTGATAAT 710

Qy  429 TACGTCCACTCGTCCTTCTCAGGATTCCT 457
        |||| |||||  || ||| ||||| | ||
Db  711 GACAATGACTCCACCTTCACAGGCTTTCT 739
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RESULT 9
US-09-909-547-5
; Sequence 5, Application US/09909547
; Patent No. 6579852
; GENERAL INFORMATION:

APPLICANT: Fruebis, Joachim
APPLICANT: Erickson, Mary Ruth
APPLICANT: Yen, Frances
APPLICANT: Bihain, Bernard
TITLE OF INVENTION: OBG3 Globular Head and Uses Thereof for Decreasing Body Mass
FILE REFERENCE: 76.US6.CIP
CURRENT APPLICATION NUMBER: US/09/909,547
CURRENT FILING DATE: 2001-07-19
PRIOR APPLICATION NUMBER: US 09/776,976
PRIOR FILING DATE: 2001-02-05
PRIOR APPLICATION NUMBER: US 09/758,055
PRIOR FILING DATE: 2001-01-10
PRIOR APPLICATION NUMBER: US 60/299,881
PRIOR FILING DATE: 2000-09-01
PRIOR APPLICATION NUMBER: US 60/198,087
PRIOR FILING DATE: 2000-04-13
PRIOR APPLICATION NUMBER: US 60/176,228
PRIOR FILING DATE: 2000-01-14
NUMBER OF SEQ ID NOS: 7
SOFTWARE: Patent.pm
US-09-909-547-5
SEQ ID NO 5
LENGTH: 4517
TYPE: DNA
ORGANISM: Homo sapiens

Query Match   15.0%;   Score 69; DB 4; Length 4517;
Best Local Similarity 55.6%;   Pred. No. 2.8e-14;
Matches 183; Conservative 0; Mismatches 130; Indels 16; Gaps 2;

```
Qy  145 CCCATCCCATTTGATGAGATTCTGTACAATAGGCAGCAGCATTACGACCCAAGATCTGGT 204
        |||||  |||  ||||  ||||||| |  ||||||  |||||| | |   |||||||||||
Db  411 CCCATTCGCTTTACCAAGATCTTCTACAATCAGCAAAACCACTATGATGGCTCCACTGGT 470

Qy  205 ATCTTTACCTGTAAGATCCCAGGCATATACTATTTCTCCTACCACGTGCATGTGAAAGGG 264
        |  |||||| |||  |||| |||| ||  ||| |||| || ||||| ||||||| | ||||
Db  471 AAATTCCACTGCAACATTCCTGGCGTGTACTTTGCCTACCACCACCAGTCTCATATG 530

Qy  265 ACTCACGTTTGGGTAGGCCTGTATAAGAACGGCA----------CACGTATGATGAG 311
        |||||||| |||  ||| |||||||  |||| ||          |||| ||||||||
Db  531 AAGGATGTGAAGGTCAGCCTCTTCAAGAAGGACAAGGCTATGCTCTTCAACCTATGATCAG 590

Qy  312 TACAGCAAAGGCTACCTGGATCAGGCTTCAGGGAGTGCAATCATGGAGCTCACAGAAAAT 371
        ||| ||||||| |||||  |||||||||||| ||||||||||||||||| |||||| |||
Db  591 TACCAGGAAAATAATGTGACCAGGCTCCAGGGAGGAGGGAGGGTCATCTGGAGGTGGGC 650

Qy  372 GACCAGGTATGGCTCCAATTG---CCCAATGCAGAATCAAAACGGCCTCTACTCCTCTGAG 428
        ||| |||| ||||||||||||   |||||||| | |||||| || |||  |||  |||||
Db  651 GACCAAGTCTGGCTCGCTCCAGGTGTATGGGGAGGAGAGCGGTAATGACGTTAATGCTGATAAT 710

Qy  429 TACGTCCACTCGTCCTTCTTCAGGATTCCT 457
        |||| |||||| | |||||||||||| |||
Db  711 GACAATGACTCCACCTTCACAGGCTTTCT 739
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RESULT 10
US-09-569-852B-5

; Sequence 5, Application US/09569852B
; Patent No. 6582909
; GENERAL INFORMATION:
APPLICANT: Bouqueleret, Lydie
APPLICANT: Bihain, Bernard
APPLICANT: Denison, Blake
APPLICANT: Yen-Potin, Frances
TITLE OF INVENTION: APM1 Biallelic Markers and Uses Thereof
FILE REFERENCE: GEN-T113XC2
CURRENT APPLICATION NUMBER: US/09/569,852B
CURRENT FILING DATE: 2002-03-12
PRIOR APPLICATION NUMBER: PCT/IB99/01858
PRIOR FILING DATE: 1999-11-04
PRIOR APPLICATION NUMBER: US 09/434,848
PRIOR FILING DATE: 1999-11-04
PRIOR APPLICATION NUMBER: US 60/119,593
PRIOR FILING DATE: 1999-02-10
PRIOR APPLICATION NUMBER: US 60/107,113
PRIOR FILING DATE: 1998-11-04
NUMBER OF SEQ ID NOS: 8
SOFTWARE: PatentIn version 3.1
SEQ ID NO 5
LENGTH: 4545
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (49)..(783)
OTHER INFORMATION:
NAME/KEY: misc_feature
LOCATION: (1)..(367)
OTHER INFORMATION: homology with 5' EST A254990 in private bank : GENSET
NAME/KEY: misc_feature
LOCATION: (91)..(93)
NAME/KEY: misc_feature
LOCATION: (15)..(15)
OTHER INFORMATION: Amino acid at position 15 (Xaa) means Gly
OTHER INFORMATION: The 'Xaa' at location 15 stands for Gly.
NAME/KEY: polyA_signal
LOCATION: (2937)..(2942)
OTHER INFORMATION: AATAAA potential
NAME/KEY: polyA_signal
LOCATION: (4525)..(4530)
OTHER INFORMATION: AATAAA
NAME/KEY: allele
LOCATION: (93)..(93)
OTHER INFORMATION: 9-12-124 : polymorphic base G or T
NAME/KEY: allele
LOCATION: (1156)..(1156)
OTHER INFORMATION: 9-16-189 : polymorphic base deletion of A
NAME/KEY: allele
LOCATION: (1815)..(1815)
OTHER INFORMATION: 17-37-629 : polymorphic base A or G
NAME/KEY: allele
LOCATION: (1997)..(1997)
OTHER INFORMATION: 17-37-811 : polymorphic base A or G
NAME/KEY: allele
LOCATION: (2475)..(2475)
OTHER INFORMATION: 17-38-349 : polymorphic base C or T
US-09-569-852B-5

Query Match   15.0%;   Score 69; DB 4; Length 4545;
Best Local Similarity 55.6%;   Pred. No. 2.8e-14;
Matches 183; Conservative 0; Mismatches 130; Indels 16; Gaps 2;

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Qy  145 CCCATCCCATTTGATGAGATTCTGTACAATAGGCAGCAGCATTACGACCCAAGATCTGGT 204
        |||||  |||  ||||  ||||||| |  ||||||  |||||| | |   |||||||||||
Db  433 CCCATTCGCTTTACCAAGATCTTCTACAATCAGCAAAACCACTATGATGGCTCCACTGGT 492

Qy  205 ATCTTTACCTGTAAGATCCCAGGCATATACTATTTCTCCTACCACGTGCATGTGAAAGGG 264
        |  |||||| |||  |||| |||| ||  ||| |||| || ||||| ||||||| | ||||
Db  493 AAATTCCACTGCAACATTCCTGGCGTGTACTTTGCCTACCACCACCAGTCTCATATG 552

Qy  265 ACTCACGTTTGGGTAGGCCTGTATAAGAACGGCA----------CACGTATGATGAG 311
        |||||||| |||  ||| |||||||  |||| ||          |||| ||||||||
Db  553 AAGGATGTGAAGGTCAGCCTCTTCAAGAAGGACAAGGCTATGCTCTTCAACCTATGATCAG 612

Qy  312 TACAGCAAAGGCTACCTGGATCAGGCTTCAGGGAGTGCAATCATGGAGCTCACAGAAAAT 371
        ||| ||||||| |||||  |||||||||||| ||||||||||||||||| |||||| |||
Db  613 TACCAGGAAAATAATGTGACCAGGCTCCAGGGAGGAGGGAGGGTCATCTGGAGGTGGGC 672

Qy  372 GACCAGGTATGGCTCCAATTG---CCCAATGCAGAATCAAAACGGCCTCTACTCCTCTGAG 428
        ||| |||| ||||||||||||   |||||||| | |||||| || |||  |||  |||||
Db  673 GACCAAGTCTGGCTCGCTCCAGGTGTATGGGGAGGAGAGCGGTAATGACGTTAATGCTGATAAT 732

Qy  429 TACGTCCACTCGTCCTTCTTCAGGATTCCT 457
        |||| |||||| | |||||||||||| |||
Db  733 GACAATGACTCCACCTTCACAGGCTTTCT 761
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RESULT 11
US-09-776-976-7
; Sequence 7, Application US/0976976
; Patent No. 6566332
; GENERAL INFORMATION:
; APPLICANT: Fruebis, Joachim
; APPLICANT: Erickson, Mary Ruth
; APPLICANT: Yen, Frances
; APPLICANT: Bihain, Bernard
; TITLE OF INVENTION: OBG3 Globular Head and Uses Thereof for Decreasing Body Mass
; FILE REFERENCE: 76.US4.REG
; CURRENT APPLICATION NUMBER: US/09/776,976
; CURRENT FILING DATE: 2001-02-05
; PRIOR APPLICATION NUMBER: US 09/758,055
; PRIOR FILING DATE: 2001-01-10
; PRIOR APPLICATION NUMBER: US 60/176,228
; PRIOR FILING DATE: 2000-01-14
; PRIOR APPLICATION NUMBER: US 60/198,087
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: US 60/299,881
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patent.pm
; SEQ ID NO 7
; LENGTH: 20966
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..4811
; OTHER INFORMATION: 5' regulatory region
; NAME/KEY: exon
; LOCATION: 4812..4851
; OTHER INFORMATION: exon 1
; NAME/KEY: exon
; LOCATION: 15144..15365
; OTHER INFORMATION: exon 2
; NAME/KEY: exon
; LOCATION: 16277..20559
; OTHER INFORMATION: exon 3
; NAME/KEY: misc feature
; LOCATION: 20560..20966
; OTHER INFORMATION: 3' regulatory region
; NAME/KEY: allele
; LOCATION: 3787
; OTHER INFORMATION: 9-27-261 : polymorphic base G or C
; NAME/KEY: allele
; LOCATION: 11118
; OTHER INFORMATION: 99-14387-129 : polymorphic base A or C
; NAME/KEY: allele
; LOCATION: 15120
; OTHER INFORMATION: 9-12-48 : polymorphic base C or T
; NAME/KEY: allele
; LOCATION: 15196
; OTHER INFORMATION: 9-12-124 : polymorphic base G or T
; NAME/KEY: allele
; LOCATION: 15427
; OTHER INFORMATION: 9-12-355 : polymorphic base G or T
; NAME/KEY: allele
; LOCATION: 15500
; OTHER INFORMATION: 9-12-428 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 15863
; OTHER INFORMATION: 99-14405-105 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 17170
; OTHER INFORMATION: 9-16-189 : polymorphic base deletion of A
; NAME/KEY: primer_bind
; LOCATION: 3528..3545
; OTHER INFORMATION: 9-27.pu
; NAME/KEY: primer_bind
; LOCATION: 3928..3946

; OTHER INFORMATION: 9-27.rp complement
; NAME/KEY: primer_bind
; LOCATION: 10990..11008
; OTHER INFORMATION: 99-14387.pu
; NAME/KEY: primer_bind
; LOCATION: 11423..11442
; OTHER INFORMATION: 99-14387.rp complement
; NAME/KEY: primer_bind
; LOCATION: 15073..15092
; OTHER INFORMATION: 9-12.pu
; NAME/KEY: primer_bind
; LOCATION: 15503..15520
; OTHER INFORMATION: 9-12.rp complement
; NAME/KEY: primer_bind
; LOCATION: 15759..15776
; OTHER INFORMATION: 99-14405.pu
; NAME/KEY: primer_bind
; LOCATION: 16191..16211
; OTHER INFORMATION: 99-14405.rp complement
; NAME/KEY: primer_bind
; LOCATION: 16982..17001
; OTHER INFORMATION: 9-16.pu
; NAME/KEY: primer_bind
; LOCATION: 17384..17402
; OTHER INFORMATION: 9-16.rp complement
; NAME/KEY: misc_binding
; LOCATION: 3775..3799
; OTHER INFORMATION: 9-27-261.probe
; NAME/KEY: misc_binding
; LOCATION: 11106..11130
; OTHER INFORMATION: 99-14387-129.probe
; NAME/KEY: misc_binding
; LOCATION: 15108..15132
; OTHER INFORMATION: 9-12-48.probe
; NAME/KEY: misc_binding
; LOCATION: 15184..15208
; OTHER INFORMATION: 9-12-124.probe
; NAME/KEY: misc_binding
; LOCATION: 15415..15439
; OTHER INFORMATION: 9-12-355.probe
; NAME/KEY: misc_binding
; LOCATION: 15488..15512
; OTHER INFORMATION: 9-12-428.probe
; NAME/KEY: misc_binding
; LOCATION: 15851..15875
; OTHER INFORMATION: 99-14405-105.probe
; NAME/KEY: misc_binding
; LOCATION: 17158..17182
; OTHER INFORMATION: 9-16-189.probe
; NAME/KEY: primer_bind
; LOCATION: 3768..3786
; OTHER INFORMATION: 9-27-261.mis
; NAME/KEY: primer_bind
; LOCATION: 3788..3806
; OTHER INFORMATION: 9-27-261.mis complement
; NAME/KEY: primer_bind
; LOCATION: 11099..11117
; OTHER INFORMATION: 99-14387-129.mis
; NAME/KEY: primer_bind
; LOCATION: 11119..11137
; OTHER INFORMATION: 99-14387-129.mis complement
; NAME/KEY: primer_bind
; LOCATION: 15101..15119
; OTHER INFORMATION: 9-12-48.mis
; NAME/KEY: primer_bind
; LOCATION: 15121..15139
; OTHER INFORMATION: 9-12-48.mis complement
; NAME/KEY: primer_bind
; LOCATION: 15177..15195
; OTHER INFORMATION: 9-12-124.mis
; NAME/KEY: primer_bind
; LOCATION: 15197..15215
; OTHER INFORMATION: 9-12-124.mis complement

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; NAME/KEY: primer_bind
; LOCATION: 15408..15426
; OTHER INFORMATION: 9-12-355.mis
; NAME/KEY: primer_bind
; LOCATION: 15428..15446
; OTHER INFORMATION: 9-12-355.mis complement
; NAME/KEY: primer_bind
; LOCATION: 15481..15499
; OTHER INFORMATION: 9-12-428.mis
; NAME/KEY: primer_bind
; LOCATION: 15501..15519
; OTHER INFORMATION: 9-12-428.mis complement
; NAME/KEY: primer_bind
; LOCATION: 15844..15862
; OTHER INFORMATION: 99-14405-105.mis
; NAME/KEY: primer_bind
; LOCATION: 15864..15882
; OTHER INFORMATION: 99-14405-105.mis complement
; NAME/KEY: primer_bind
; LOCATION: 17151..17169
; OTHER INFORMATION: 9-16-189.mis
; NAME/KEY: primer_bind
; LOCATION: 17171..17189
; OTHER INFORMATION: 9-16-189.mis complement
US-09-776-976-7

Query Match          15.0%;   Score 69;  DB 4;  Length 20966;
Best Local Similarity   55.6%;  Pred. No. 6.4e-14;
Matches 183;  Conservative  0;  Mismatches 130;  Indels 16;  Gaps  2;

Qy    145 CCCACCCCATTTGATGAGATTCTGTACAATAGGCAGCAGCATTACGACCCAAGATCTGGT 204
              ||||| ||  ||||| ||||||  | |  || || |||||||||| ||
Db  16447 CCCATTCGCTTTACCAAGATCTTCTACAATCAGCAAAACCACTATGATGGCTCCACTGGT 16506

Qy    205 ATCTTTACCTGTAAGATCCCAGGCATATACTATTTCTCCTACCACGTGCATGTGAAAGGG 264
               || ||||||||| |||||  ||||| ||  |||||| ||||||||
Db  16507 AAATTCCACTGCAACATTCCTGGGCTGTACTACTTTGCCTACCACCAGTCTATATG 16566

Qy    265 ACTCACGTTTGGGTAGGCCTGTATAAGAACGGCA---------CAGTGTATGATGAG 311
              |||| ||| |||| | ||||| |||| ||  |   ||||| |||||||
Db  16567 AAGGATGTGAAGGTCAGCCTTCTTCAAGAAGGACAAGGCTATGCTCTTCACCTATGATCAG 16626

Qy    312 TACAGCAAAGGCTACCTGGATCAGCTTCAGGGAGCTCAATCATGGAGCTCACAGAAAAT 371
              ||| |||||| || || |||||| ||| |||| ||||  ||| ||||
Db  16627 TACCAGGAAAATAATGTGGACCAGCCTCCGGCTCTCGTGTCTCCTGCATCTGGAGGTGGGC 16686

Qy    372 GACCAGGTATGGCTCCAATTG---CCCAATGCAGAATCAAACGGCCCTCTACTCCTCTGAG 428
              |||| || ||||||  |||     |||| ||  |||| | |  ||||||||||
Db  16687 GACCAAGTCGGCTCGGCTCCAGGTGTATGGGAAGGAGCGTAATGGACTCTATGCTGATAAT 16746

Qy    429 TACGTCCACTCGTCCTTCTCAGGATTCCT 457
              |||| |||| ||||| || |||| ||||
Db  16747 GACAATGACTCCCACCTTCACAGGCTTTCT 16775


; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: US 60/198,087
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: US 60/176,228
; PRIOR FILING DATE: 2000-01-14
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patent.pm
SEQ ID NO 7
; LENGTH: 20966
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..4811
; OTHER INFORMATION: 5' regulatory region
; NAME/KEY: exon
; LOCATION: 4812..4851
; OTHER INFORMATION: exon 1
; NAME/KEY: exon
; LOCATION: 15144..15365
; OTHER INFORMATION: exon 2
; NAME/KEY: exon
; LOCATION: 16277..20559
; OTHER INFORMATION: exon 3
; NAME/KEY: misc_feature
; LOCATION: 20560..20966
; OTHER INFORMATION: 3' regulatory region
; NAME/KEY: allele
; LOCATION: 3787
; OTHER INFORMATION: 9-27-261 : polymorphic base G or C
; NAME/KEY: allele
; LOCATION: 11118
; OTHER INFORMATION: 99-14387-129 : polymorphic base A or C
; NAME/KEY: allele
; LOCATION: 15120
; OTHER INFORMATION: 9-12-48 : polymorphic base C or T
; NAME/KEY: allele
; LOCATION: 15196
; OTHER INFORMATION: 9-12-124 : polymorphic base G or T
; NAME/KEY: allele
; LOCATION: 15427
; OTHER INFORMATION: 9-12-355 : polymorphic base G or T
; NAME/KEY: allele
; LOCATION: 15500
; OTHER INFORMATION: 9-12-428 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 15863
; OTHER INFORMATION: 99-14405-105 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 17170
; OTHER INFORMATION: 9-16-189 : polymorphic base deletion of A
; NAME/KEY: primer_bind
; LOCATION: 3528..3545
; OTHER INFORMATION: 9-27.pu
; NAME/KEY: primer_bind
; LOCATION: 3928..3946
; OTHER INFORMATION: 9-27.rp complement
; NAME/KEY: primer_bind
; LOCATION: 10990..11008
; OTHER INFORMATION: 99-14387.pu
; NAME/KEY: primer_bind
; LOCATION: 11423..11442
; OTHER INFORMATION: 99-14387.rp complement
; NAME/KEY: primer_bind
; LOCATION: 15073..15092
; OTHER INFORMATION: 9-12.pu
; NAME/KEY: primer_bind
; LOCATION: 15503..15520
; OTHER INFORMATION: 9-12.rp complement
; NAME/KEY: primer_bind
; LOCATION: 15759..15776
; OTHER INFORMATION: 99-14405.pu
; NAME/KEY: primer_bind


RESULT 12
US-09-909-547-7
; Sequence 7, Application US/09909547
; Patent No. 6579852
; GENERAL INFORMATION:
; APPLICANT: Fruebis, Joachim
; APPLICANT: Erickson, Mary Ruth
; APPLICANT: Yen, Frances
; APPLICANT: Bihain, Bernard
; TITLE OF INVENTION: OBG3 Globular Head and Uses Thereof for Decreasing Body Mass
; FILE REFERENCE: 76.US6.CIP
; CURRENT APPLICATION NUMBER: US/09/909,547
; CURRENT FILING DATE: 2001-07-19
; PRIOR APPLICATION NUMBER: US 09/776,976
; PRIOR FILING DATE: 2001-02-05
; PRIOR APPLICATION NUMBER: US 09/758,055
; PRIOR FILING DATE: 2001-01-10
; PRIOR APPLICATION NUMBER: US 60/299,881
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; LOCATION: 16191..16211
; OTHER INFORMATION: 99-14405.rp complement
; NAME/KEY: primer_bind
; LOCATION: 16982..17001
; OTHER INFORMATION: 9-16.pu
; NAME/KEY: primer_bind
; LOCATION: 17384..17402
; OTHER INFORMATION: 9-16.rp complement
; NAME/KEY: misc_binding
; LOCATION: 3775..3799
; OTHER INFORMATION: 9-27-261.probe
; NAME/KEY: misc_binding
; LOCATION: 11106..11130
; OTHER INFORMATION: 99-14387-129.probe
; NAME/KEY: misc_binding
; LOCATION: 15108..15132
; OTHER INFORMATION: 9-12-48.probe
; NAME/KEY: misc_binding
; LOCATION: 15184..15208
; OTHER INFORMATION: 9-12-124.probe
; NAME/KEY: misc_binding
; LOCATION: 15415..15439
; OTHER INFORMATION: 9-12-355.probe
; NAME/KEY: misc_binding
; LOCATION: 15488..15512
; OTHER INFORMATION: 9-12-428.probe
; NAME/KEY: misc_binding
; LOCATION: 15851..15875
; OTHER INFORMATION: 99-14405-105.probe
; NAME/KEY: misc_binding
; LOCATION: 17158..17182
; OTHER INFORMATION: 9-16-189.probe
; NAME/KEY: primer_bind
; LOCATION: 3768..3786
; OTHER INFORMATION: 9-27-261.mis
; NAME/KEY: primer_bind
; LOCATION: 3788..3806
; OTHER INFORMATION: 9-27-261.mis complement
; NAME/KEY: primer_bind
; LOCATION: 11099..11117
; OTHER INFORMATION: 99-14387-129.mis
; NAME/KEY: primer_bind
; LOCATION: 11119..11137
; OTHER INFORMATION: 99-14387-129.mis complement
; NAME/KEY: primer_bind
; LOCATION: 15101..15119
; OTHER INFORMATION: 9-12-48.mis
; NAME/KEY: primer_bind
; LOCATION: 15121..15139
; OTHER INFORMATION: 9-12-48.mis complement
; NAME/KEY: primer_bind
; LOCATION: 15177..15195
; OTHER INFORMATION: 9-12-124.mis
; NAME/KEY: primer_bind
; LOCATION: 15197..15215
; OTHER INFORMATION: 9-12-124.mis complement
; NAME/KEY: primer_bind
; LOCATION: 15408..15426
; OTHER INFORMATION: 9-12-355.mis
; NAME/KEY: primer_bind
; LOCATION: 15428..15446
; OTHER INFORMATION: 9-12-355.mis complement
; NAME/KEY: primer_bind
; LOCATION: 15481..15499
; OTHER INFORMATION: 9-12-428.mis
; NAME/KEY: primer_bind
; LOCATION: 15501..15519
; OTHER INFORMATION: 9-12-428.mis complement
; NAME/KEY: primer_bind
; LOCATION: 15844..15862
; OTHER INFORMATION: 99-14405-105.mis
; NAME/KEY: primer_bind
; LOCATION: 15864..15882

; OTHER INFORMATION: 99-14405-105.mis complement
; NAME/KEY: primer_bind
; LOCATION: 17151..17169
; OTHER INFORMATION: 9-16-189.mis
; NAME/KEY: primer_bind
; LOCATION: 17171..17189
; OTHER INFORMATION: 9-16-189.mis complement
US-09-909-547-7

Query Match   15.0%;   Score 69;   DB 4;   Length 20966;
Best Local Similarity   55.6%;   Pred. No. 6.4e-14;
Matches 183;   Conservative   0;   Mismatches 130;   Indels 16;   Gaps 2;

Qy   145 CCCATCCCATTGATGAGATTCTGTACAATAGGCAGCAGCATTACGACCCAAGATCTGGT 204
            ||| ||| || | ||||| | ||| | ||| | || ||| || | |||||
Db   16447 CCCATTCGCTTTACCAAGATCTTCTACAATCAGCAAAACCACTATGATGGCTCCACTGGT 16506

Qy   205 ATCTTTACCTGTAAGATCCCAGGCATATACATTTCTCCTACCACGCGTGCATGTGAAAGGG 264
            | ||| | | | ||||| | ||| | || ||| ||| ||| | | |||| ||
Db   16507 AAATTCCACTGCAACATTCCTGGCGTGTACTACTTTGCCTACCACATCACAGTCTATATG 16566

Qy   265 ACTCACGTTTGGGTAGGCCTGTATAAGAACCGGCA-------------CACGTATGATGAG 311
            || | |||| | || || || | || || || ||| ||| ||
Db   16567 AAGGATGTGAAGGTCAGCCCTTCAGAAGGACAAAGGCTACGTCTTTCACCTATGATCAG 16626

Qy   312 TACAGCAAAGGCTACCTGGATCAGGCTTCAGGGAGTGCAATCATGGAGCTCACAGAAAAT 371
            ||| ||| || ||| | | ||| ||||| || | ||| || || || |
Db   16627 TACCAGGAAAATAATGTGGACCAGGGCCTCCGGCTCCTGCTCCTGCATCTGGAGGTGGGC 16686

Qy   372 GACCAGGTATGGCTCCAATTG---CCCAATGCAGAATCAAACGCCCTCTACTCCTCTGAG 428
            ||||| |||| | || ||||| || | || | | | | | || || |||||
Db   16687 GACCAGTCTGGCTCCAGGTGATGGGAAGGAGAGCGTAATGGACTCTATGCTGATAAT 16746

Qy   429 TACGTCCACTCGTCCTTCTCCAGGATTCCT 457
            |||| |||| ||| | ||| ||| ||||
Db   16747 GACAATGACTCCACCTTCACAGGCTTTCT 16775

RESULT 13
US-09-569-852B-1
; Sequence 1, Application US/09569852B
; Patent No. 6582909
; GENERAL INFORMATION:
; APPLICANT: Bouguelere, Lydie
; APPLICANT: Bihain, Bernard
; APPLICANT: Denison, Blake
; APPLICANT: Yen-Potin, Frances
; TITLE OF INVENTION: APM1 Biallelic Markers and Uses Thereof
; FILE REFERENCE: GEN-T113XC2
; CURRENT APPLICATION NUMBER: US/09/569,852B
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: PCT/IB99/01858
; PRIOR FILING DATE: 1999-11-04
; PRIOR APPLICATION NUMBER: US 09/434,848
; PRIOR FILING DATE: 1999-11-04
; PRIOR APPLICATION NUMBER: US 60/119,593
; PRIOR FILING DATE: 1999-02-10
; PRIOR APPLICATION NUMBER: US 60/107,113
; PRIOR FILING DATE: 1998-11-04
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.1
;
SEQ ID NO 1
; LENGTH: 20966
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(4811)
; OTHER INFORMATION: 5' regulatory region
; NAME/KEY: primer_bind
; LOCATION: (14683)..(14701)
; OTHER INFORMATION: 17-34-860.mis
; NAME/KEY: primer_bind

us-09-975-607a-2.rni

Wed Jul 21 08:32:15 2004

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LOCATION: (14703)..(14721)
OTHER INFORMATION: 17-34-860.mis complement
NAME/KEY: primer_bind
LOCATION: (14738)..(14756)
OTHER INFORMATION: 17-34-915.mis
NAME/KEY: primer_bind
LOCATION: (14758)..(14776)
OTHER INFORMATION: 17-34-915.mis complement
NAME/KEY: primer_bind
LOCATION: (14796)..(14814)
OTHER INFORMATION: 17-35-71.mis
NAME/KEY: primer_bind
LOCATION: (14816)..(14834)
OTHER INFORMATION: 17-35-71.mis complement
NAME/KEY: primer_bind
LOCATION: (15031)..(15049)
OTHER INFORMATION: 17-35-306.mis
NAME/KEY: primer_bind
LOCATION: (15051)..(15069)
OTHER INFORMATION: 17-35-306.mis complement
NAME/KEY: primer_bind
LOCATION: (15101)..(15119)
OTHER INFORMATION: 9-12-48.mis
NAME/KEY: primer_bind
LOCATION: (15121)..(15139)
OTHER INFORMATION: 9-12-48.mis complement
NAME/KEY: primer_bind
LOCATION: (15177)..(15195)
OTHER INFORMATION: 9-12-124.mis
NAME/KEY: primer_bind
LOCATION: (15197)..(15215)
OTHER INFORMATION: 9-12-124.mis complement
NAME/KEY: primer_bind
LOCATION: (15408)..(15426)
OTHER INFORMATION: 9-12-355.mis
NAME/KEY: primer_bind
LOCATION: (15428)..(15446)
OTHER INFORMATION: 9-12-355.mis complement
NAME/KEY: primer_bind
LOCATION: (15481)..(15499)
OTHER INFORMATION: 9-12-428.mis
NAME/KEY: primer_bind
LOCATION: (15501)..(15519)
OTHER INFORMATION: 9-12-428.mis complement
NAME/KEY: primer_bind
LOCATION: (15661)..(15679)
OTHER INFORMATION: 17-36-47.mis
NAME/KEY: primer_bind
LOCATION: (15681)..(15699)
OTHER INFORMATION: 17-36-47.mis complement
NAME/KEY: primer_bind
LOCATION: (15771)..(15789)
OTHER INFORMATION: 17-36-120.mis
NAME/KEY: primer_bind
LOCATION: (15791)..(15809)
OTHER INFORMATION: 17-36-120.mis complement
NAME/KEY: primer_bind
LOCATION: (15844)..(15862)
OTHER INFORMATION: 99-14405-105.mis
NAME/KEY: primer_bind
LOCATION: (15864)..(15882)
OTHER INFORMATION: 99-14405-105.mis complement
NAME/KEY: primer_bind
LOCATION: (17151)..(17169)
OTHER INFORMATION: 9-16-189.mis
NAME/KEY: primer_bind
LOCATION: (17171)..(17189)
OTHER INFORMATION: 9-16-189.mis complement
NAME/KEY: primer_bind
LOCATION: (17810)..(17828)
OTHER INFORMATION: 17-37-629.mis
NAME/KEY: primer_bind
LOCATION: (17830)..(17848)
OTHER INFORMATION: 17-37-629.mis complement
NAME/KEY: primer_bind
LOCATION: (17992)..(18010)
OTHER INFORMATION: 17-37-811.mis
NAME/KEY: primer_bind
LOCATION: (18012)..(18030)
OTHER INFORMATION: 17-37-811.mis complement
NAME/KEY: primer_bind
LOCATION: (18470)..(18488)
OTHER INFORMATION: 17-38-349.mis
NAME/KEY: primer_bind
LOCATION: (18490)..(18508)
OTHER INFORMATION: 17-38-349.mis complement
NAME/KEY: primer_bind
LOCATION: (926)..(944)
OTHER INFORMATION: 17-30-216.mis
NAME/KEY: primer_bind
LOCATION: (946)..(964)
OTHER INFORMATION: 17-30-216.mis complement
NAME/KEY: primer_bind
LOCATION: (3719)..(3737)
OTHER INFORMATION: 9-27-211.mis
NAME/KEY: primer_bind
LOCATION: (3739)..(3757)
OTHER INFORMATION: 9-27-211.mis complement
NAME/KEY: primer_bind
LOCATION: (3754)..(3772)
OTHER INFORMATION: 9-27-246.mis
NAME/KEY: primer_bind
LOCATION: (3774)..(3792)
OTHER INFORMATION: 9-27-246.mis complement
NAME/KEY: primer_bind
LOCATION: (3768)..(3786)
OTHER INFORMATION: 9-27-261.mis
NAME/KEY: primer_bind
LOCATION: (3788)..(3806)
OTHER INFORMATION: 9-27-261.mis complement
NAME/KEY: primer_bind
LOCATION: (5076)..(5094)
OTHER INFORMATION: 17-31-298.mis
NAME/KEY: primer_bind
LOCATION: (5096)..(5114)
OTHER INFORMATION: 17-31-298.mis complement
NAME/KEY: primer_bind
LOCATION: (5191)..(5209)
OTHER INFORMATION: 17-31-413.mis
NAME/KEY: primer_bind
LOCATION: (5211)..(5229)
OTHER INFORMATION: 17-31-413.mis complement
NAME/KEY: primer_bind
LOCATION: (5364)..(5385)
OTHER INFORMATION: 17-31.rp complement
NAME/KEY: primer_bind
LOCATION: (10618)..(10636)
OTHER INFORMATION: 17-32-24.mis
NAME/KEY: primer_bind
LOCATION: (10638)..(10656)
OTHER INFORMATION: 17-32-24.mis complement
NAME/KEY: primer_bind
LOCATION: (11020)..(11038)
OTHER INFORMATION: 99-14387-50.mis
NAME/KEY: primer_bind
LOCATION: (11040)..(11058)
OTHER INFORMATION: 99-14387-50.mis complement
NAME/KEY: primer_bind
LOCATION: (11099)..(11117)
OTHER INFORMATION: 99-14387-129.mis
NAME/KEY: primer_bind
LOCATION: (11119)..(11137)
OTHER INFORMATION: 99-14387-129.mis complement
NAME/KEY: primer_bind
LOCATION: (11169)..(11187)
OTHER INFORMATION: 99-14387-199.mis
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US-09-140-804-10

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; NAME/KEY: primer_bind
; LOCATION: (11189)..(11207)
; OTHER INFORMATION: 99-14387-199.mis complement
; NAME/KEY: primer_bind
; LOCATION: (13954)..(13972)
; OTHER INFORMATION: 17-33-TGAGACT.mis
; NAME/KEY: primer_bind
; LOCATION: (13974)..(13992)
; OTHER INFORMATION: 17-33-TGAGACT.mis complement
; NAME/KEY: exon
; LOCATION: (4812)..(4851)
; OTHER INFORMATION:
; NAME/KEY: exon
; LOCATION: (15144)..(15365)
; OTHER INFORMATION:
; NAME/KEY: exon
; LOCATION: (16277)..(20559)
; OTHER INFORMATION:
; NAME/KEY: misc_feature
; LOCATION: (20560)..(20966)
; OTHER INFORMATION: 3' regulatory region
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Query Match         15.0%;     Score 69;   DB 4;   Length 20966;
Best Local Similarity    55.6%;     Pred. No. 6.4e-14;
Matches  183;   Conservative   0;   Mismatches  130;   Indels  16;   Gaps   2;

Qy     145  CCCATCCCATTTGATGAGATTCTGTACAATAGGCAGCAGCATTACGACCCAAGATCTGGT 204
                |||||| |||| ||| || | ||| || || ||| |||||||||||||
Db   16447  CCCATTCGCTTTACCAAGATCTTCTACAAATCAGCAAAACCACTATGATGGCTCCACTGGT 16506

Qy     205  ATCTTTACCTGTAAGATCCCAGGCATATACATATTTCTCCTACCAGTGCATGTGAAAGGG 264
                ||  ||| | ||||   || |||||| | ||| ||   |
Db   16507  AAATTCCACTGCAACATTCCTGGGCTGTACTTTTGCCTACCACCATCACAGTCTATATG 16566

Qy     265  ACTCACGTTTGGGTAGGCCTGTATAGAACGGCA----------CAGGTATGATGAG 311
                |||| | || ||||| || | |||    |||| |||||||
Db   16567  AAGGATGTGAAGGTCAGCCTCTTCAAGAAGAGACAAGGCTATGCTCTTCACCTATGATCAG 16626

Qy     312  TACAGCAAAGGCTACCTGGATCAGGTTCAGGGAGTGCAATCATGGAGCTCACAGAAAAT 371
                |||| | | ||  | ||||   || ||| |||||||||  | ||
Db   16627  TACCAGGAAAATAATGTGGACCAGGCCTCCGGCTCGTGTCCTCCGCATCTGGAGGTGGGC 16686

Qy     372  GACCAGGTATGGCTCCAATG---CCCAATGCAGAATCAAACGGCCCTCTACTCCTCTGAG 428
                ||||||||||||||      ||||| |  | |||
Db   16687  GACCAAGTCTGGCTCTGGCTGTATGGGAAGGGAGAGCCGTAATGGACTCTATGTCTGATAAT 16746

Qy     429  TACGTCCACTCGTCCTTCTCAGGATTCCT 457
                ||||||||||| |||  ||||||
Db   16747  GACAATGACTCCACCTTCACAGGCCTTTCT 16775
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RESULT 14
US-09-140-804-10
; Sequence 10, Application US/09140804
; Patent No. 6197930
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Humes, Jacqueline M.
; TITLE OF INVENTION: ADIPOCYTE-SPECIFIC PROTEIN HOMOLOGS
; FILE REFERENCE: 97-49
; CURRENT APPLICATION NUMBER: US/09/140,804
; CURRENT FILING DATE: 1998-08-26
; EARLIER APPLICATION NUMBER: 60/056,983
; EARLIER FILING DATE: 1997-08-26
; NUMBER OF SEQ ID NOS: 47
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 729
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Degenerate nucleotide sequence encoding the zsig39
; OTHER INFORMATION: polypeptide of SEQ ID NO:2.

US-09-140-804-10

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Query Match         14.6%;     Score 66.8;   DB 3;   Length 729;
Best Local Similarity    34.4%;     Pred. No. 6.3e-14;
Matches  123;   Conservative  52;   Mismatches  167;   Indels  16;   Gaps   1;

Qy     118  TCTAAAGCTTACCCAGCAGTAGGTGCCCCATCCCATTTGATGAGATTCTGTACAATAGG 177
                ||: .:     ||:||:   |||   || |: :
Db     337  WSNMGNGTNCCNCCNCCNWSNGAYGCNCYNTTYGAYMGNGTNYTNGTNAAYGAR 396

Qy     178  CAGCAGCATTACGACCCAAGATCTGTATCTTACCTGTAAGATCCCAGGCATATACTAT 237
                ||:.||::||:   || ||:||
Db     397  CARGGNCAYTAYGAYGCNGTNACNGGNAARTTYACNTGYCARGTNCCNGGNTNTAYTAY 456

Qy     238  TTCTCCTACCACGTGCATGTGAAAGGGACTCACGTTTGGGTAGGCCTGTATAAGAACGGC 297
                ||:|    :|| ||||:   |::||  : ||::|
Db     457  TTYGCNGTNCAYGCNACNGTNTAYMGNGCNWSNYTNCARTTYGAYYTNGTNAARAAYGGN 516

Qy     298  ACACGTATGATGAGTACAGCAAAGGCTACCTGGATCAGGC----------TTCA 341
                 :: |  |:|:   |     ||::    ::
Db     517  GARWSNATHGCNWSNTTYTTYCARTTYTTYGGNGGNTGGCCNAARCNCGCNWSNYTNWSN 576

Qy     342  GGGAGTGCAATCATGGAGCTCACAGAAAATGACCAGGTATGGCTCCAATTGCCCAATGCA 401
                ||| ||  ::| ||  :|    ||: |::|||:  ||| :||
Db     577  GGNGGNCNATGGTNMGNYTNGARCCNGARGAYCARGTNTGGGTNCARCGTNGGNGTNGGN 636

Qy     402  GAATCAAACGGCCTCTACTCCTCTGAGTACGTCCACTGGTCCTTCTCAGGATTCCTAG 459
                |||  ||| |  ::   : :    || :  |: :::
Db     637  GAYTAYATHGGNATHTAYGCNWSNATHAAARACNGAYWSNACNTTYWSNGGNTTYTNG 694
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RESULT 15
US-09-686-838B-10
; Sequence 10, Application US/09686838B
; Patent No. 6482612
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Humes, Jacqueline M.
; TITLE OF INVENTION: Adipocyte-Specific Protein Homologs
; FILE REFERENCE: 97-49D1
; CURRENT APPLICATION NUMBER: US/09/686,838B
; CURRENT FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: US 09/140,804
; PRIOR FILING DATE: 1998-08-26
; PRIOR APPLICATION NUMBER: US 60/056,983
; PRIOR FILING DATE: 1997-08-26
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 729
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Degenerate nucleotide sequence encoding the zsig39
; OTHER INFORMATION: polypeptide of SEQ ID NO:2.
; FEATURE:
; NAME/KEY: variation
; LOCATION: (1)...(729)
; OTHER INFORMATION: n is any nucleotide

US-09-686-838B-10

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Query Match         14.6%;     Score 66.8;   DB 4;   Length 729;
Best Local Similarity    34.4%;     Pred. No. 6.3e-14;
Matches  123;   Conservative  52;   Mismatches  167;   Indels  16;   Gaps   1;

Qy     118  TCTAAAGCTTACCCAGCAGTAGGTGCCCCATCCCATTTGATGAGATTCTGTACAATAGG 177
                ||: .:     ||:||:   |||   || |: :
Db     337  WSNMGNGTNCCNCCNCCNWSNGAYGCNCYNTTYGAYMGNGTNYTNGTNAAYGAR 396

Qy     178  CAGCAGCATTACGACCCAAGATCTGTATCTTACCTGTAAGATCCCAGGCATATACTAT 237
                ||:.||::||:   || ||:||
Db     397  CARGGNCAYTAYGAYGCNGTNACNGGNAARTTYACNTGYCARGTNCCNGGNTNTAYTAY 456
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Qy    238  TTCTCCTACCACGTGCATGTGAAAGGGACTCACGTTTGGGTAGGCCTGTATAAGAACGGC  297
                ||:|  ||:|   ||   |         :  :||  |   ||:||:||
Db    457  TTYGCNGTNCAYGCNACNGTNTAYMGNGCNWSNYTNCARTTYGAYYTNGTNAARAAYGGN  516

Qy    298  ACACGTATGATGAGTACAGCAAAGCTACCTGGATCAGGC------------TTCA  341
                :    ||        |:  :    |    |  —            |||      ::
Db    517  GARWSNATHGCNWSNTTYTTYCARTTYTTYGGNGGNTGGCCNAARCCNGCNWSNYTNWSN  576

Qy    342  GGGAGTGCAATCATGGAGCTCACAGAAAATGACCAGGTATGGCTCCAATTGCCCAATGCA  401
               |||        |  :   ||||:||| ||:|   ||  |:|
Db    577  GGNGGNGCNATGGTNMGNYTNGARCCNGARGAYCARGTNTGGGTNCARGTNGGNGTNGGN  636

Qy    402  GAATCAAACGGCCTCTACTCCTCTGAGTACGTCCACTCGTCCTTCTCAGGATTCCTAG  459
               ||||:| | :||  |:|||:|  | ::     |::: | |||:: ||  ||::|
Db    637  GAYTAYATHGGNATHTAYGCNWSNATHAARACNGAYWSNACNTTYWSNGGNTTYYTNG  694
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Search completed: July 20, 2004, 21:16:42
Job time : 68 secs

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